Programmers Guide

ATTENTION

The product that you have purchased contains a rechargeable Ni-MH battery. This battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of the battery into the municipal waste system.
Check with your local solid waste officials for details concerning recycling options or proper disposal.

WARNING

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

All specifications are subject to change without notice.

Precaution Statements

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1. Be sure that all built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including nonmetallic control knobs and compartment covers.

3. Make sure there are no cabinet openings through which people - particularly children - might insert fingers and contact dangerous voltages. Such openings include excessively wide cabinet ventilation slots and improperly fitted covers and drawers.

4. Design Alteration Warning: Never alter or add to the mechanical or electrical design of the SECR. Unauthorized alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

5. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or over- heating, and correct any potential hazards.

6. Observe the original lead dress, especially near the following areas : sharp edges, and especially the AC and high voltage supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between comp-onents and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

7. Product Safety Notice: Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original - even if the replacement is rated for higher voltage, wattage, etc.

   Components that are critical for safety are indicated in the circuit diagram by shading, ($\triangle$) or ($\triangle$). Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recomm-ended by the manufacturer.

Dispose used batteries according to the manufacturer's instructions.

ATTENTION

ll y a danger d'explosion s'il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.

Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

SAFETY NOTICE : "For pluggable equipment, the socket−outlet shall be installed near the equipement and shall be easily accessible."

1-2 Servicing Precautions

WARNING: First read the-Safety Precautions-section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the units AC power cord from the AC power source before attempting to:
   (a) Remove or reinstall any component or assembly
   (b) Disconnect an electrical plug or connector
   (c) Connect a test component in parallel with an electrolytic capacitor

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples :   metal panels and input terminals).

6. Insulation Checking Procedure:
   Disconnect the power cord from the AC source and turn   the power switch ON. Connect an insulation resistance meter (500V) to the blades of AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect an instrument's ground lead to the instrument chassis ground before connecting the positive lead ; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor (solid state) devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power - this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as anti-static; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

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Register Control

Register Control

Machine View

Rear Connection

2 Cash Drawer Ports
LAN port
1-USB slot (for keyboard etc)
2-DB9 Male Coms ports
2-RJ45 Coms Ports

LED's for Power
and IRC with
flashing data
transfer indicator

SD Card slot for
service tasks

USB slot for
backing up and
restoring of files

Customer display
with rotating pole

LCD with angled
display for Optimum
viewing.

A screen saver is
programmed to protect
the display, removed
at the touch of a
button

This screen saver can
be customised if
required.

Power switch turns
the register off and
on.

Card expansion
slot for program
control

**MCR (Card
Reader)** is an
optional extra and
can be used for
clerk sign on and
check opening

Magnetic Dallas key
for employee sign on
(Keys Optional)

Register Control

The SPS5xx is a Systems Register, with the capabilities of linking into a network of multiple terminals and operating varying peripheral devices as the example layout shows below.
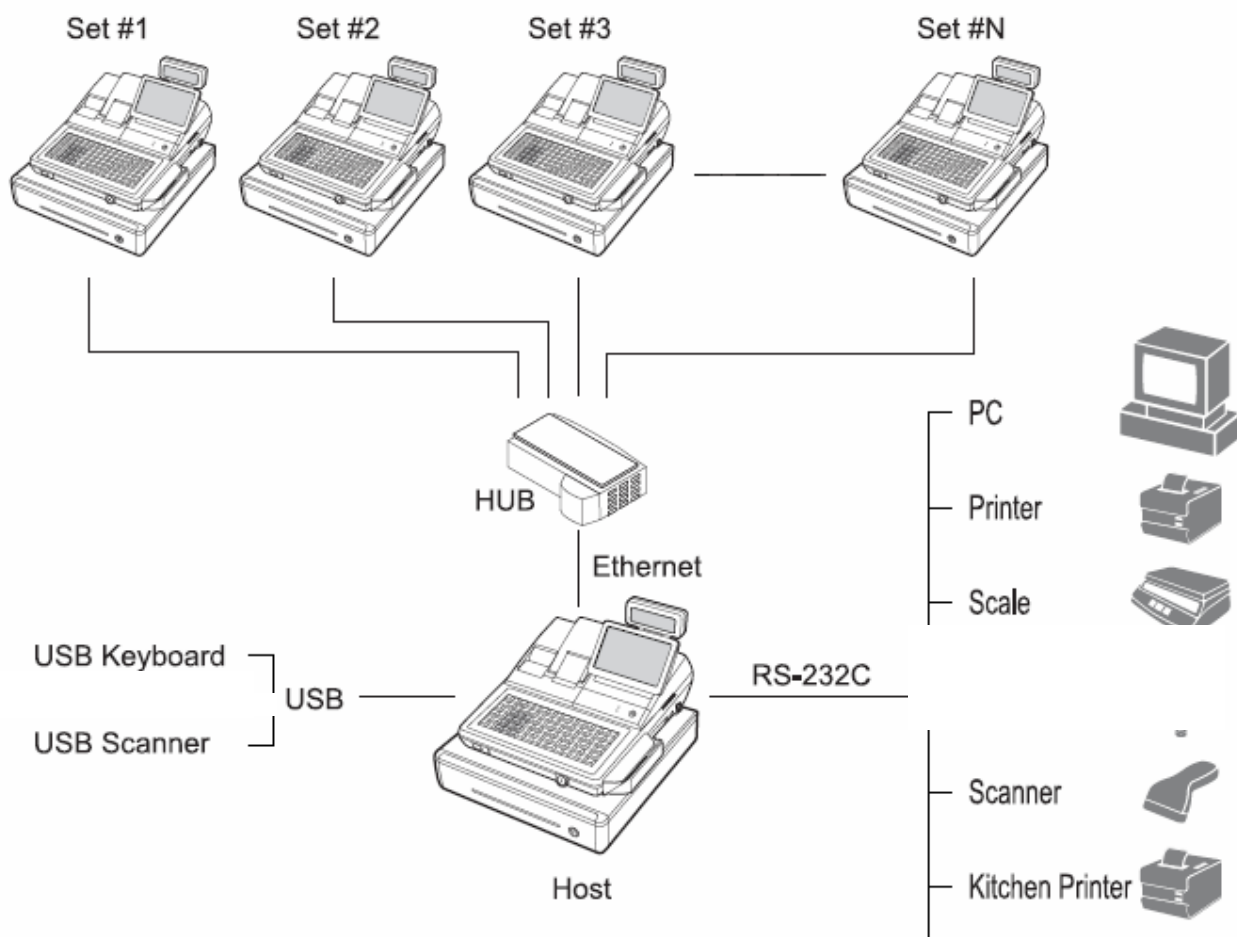
Register Control

Control Lock

Turn the control lock to the **REG** position to operate the register.
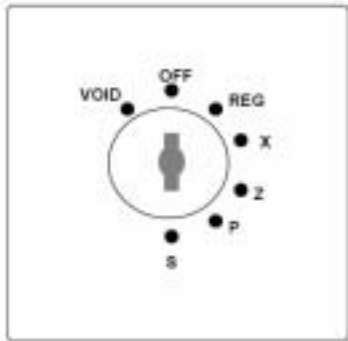
Mode	Operation
OFF	The Register is in-operable
REG	Used for normal registration
X	Used to Read register reports and perform other manager functions
Z	Used to Read and Reset register reports.
P	Used to Program the register settings
S-MODE	Use for tests and special service mode settings. This position is not marked on the control lock.

Control Keys

- There are two sets of keys that can be used to access the following control lock positions.

Key	Positions
REG	OFF, REG
VOID	VOID, OFF, REG, X
Z	VOID, OFF, REG, X, Z,
P	VOID, OFF, REG, X, Z, P
C	All Positions

Password

- The following password codes are available

Password	Purpose
0000 No Password Or User Defined	**Report Passwords** can be set in S-mode – System options for each reporting period. The password will be prompted for as the report is selected.
9999	The **Manager Password** can be set in S-mode – Password. Function keys can be programmed to prompt for a manager password when pressed. This prompt will not appear if the operator using the function is flagged as a Manager. In addition this code can be entered prior to pressing an employee key, and program mode can be accessed without previous knowledge of the employee sign on codes.

Register Control

Paper installation - Single Printer Model

The single station printer uses an 80mm by 80mm thermal roll, which is fitted as shown.

- The printer cover is opened by pulling the Orange Cap Lever forwards
- The paper roll is inserted into the printer, with the leading edge of the paper over the printer.
- The printer cover is then closed and the paper locked in place.

Paper installation - Dual Printer Model

The dual station printer uses a 44mm by 80mm thermal roll, which is fitted as shown.

Receipt
- The printer cover is opened by pushing the Orange Cap Lever backwards
- The paper roll is inserted into the printer, with the leading edge of the paper over the printer.
- The printer cover is then closed and the paper locked in place

Journal
- The printer cover is opened by pushing the Orange Cap Lever backwards
- The paper roll is inserted into the printer, with a large leading edge of the paper over the printer.
- The printer cover is then closed and the paper locked in place
- The remaining paper is wound onto the spool, and the spool dropped into the holding grooves.
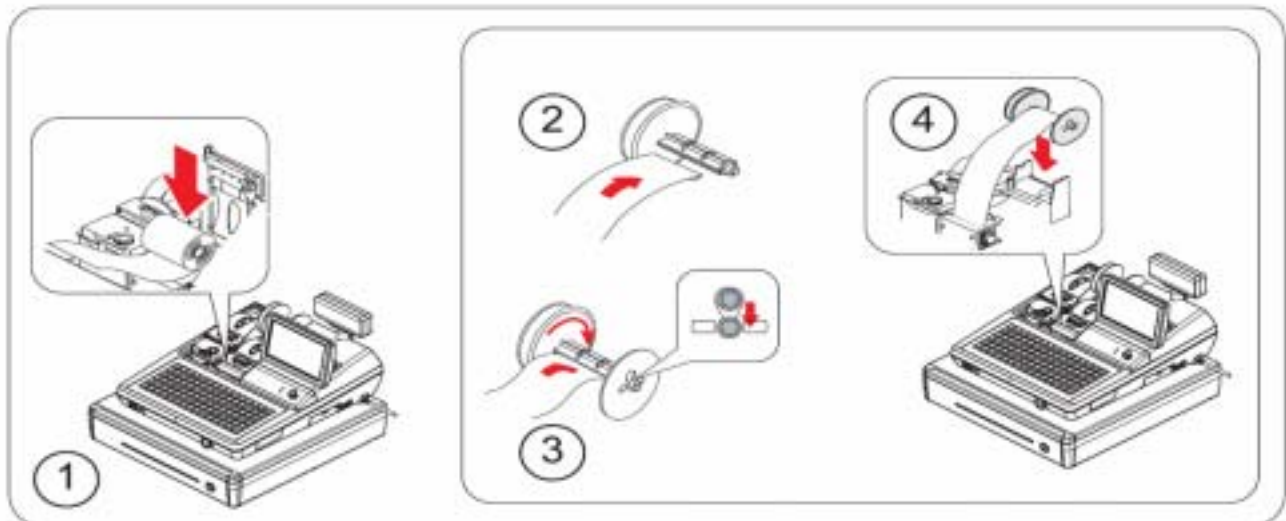
Register Control

The Cash Register can be supplied with either keyboard type as shown below

Flat Keyboard Example

Stroke Keyboard Example

Register Control

Default Screen

Main Screen

Twenty four keys are display on the main screen.

Keys can be PLUs, Screens or Functions.

A total of 200 different screens can be utilised

EMPL OYEE1	EMPL OYEE2	EMPL OYEE3	EMPL OYEE4
SCREEN 1	SCREEN 2	SCREEN 3	SCREEN 4
SCREEN 6	SCREEN 7	SCREEN 8	SCREEN 9
RECALL CHK1	STORE CHK1	LIST CHECK1	TABLE 1
RECALL CHK2	STORE CHK2	LIST CHECK2	PRINT CHECK
CLK IN/OUT	ALPHA TEXT	PAID RECALL	PRICE LVL1

EMPLOYEE SIGN ON

P01   ROn REG01

Message Line:

Displays Error Messages, Clerk Identification and Transaction totals.

Transaction Detail

The sale is displayed here. If more than one screen of items is sold a scroll bar is shown.

Custom Screen Layouts

The register screens can be customised as required, with a variety of items, functions, button shapes, sizes and colours as per the examples below.

Transaction Screen Size

The number of columns, and the size of the sales area can be customised, with the functions shown either left or right depending on the operator signed on. The functions can also be displayed as either four columns (as shown above) or one of the variations below.

2 Columns   **1 Column**   **No Columns**

Button Sizes and Graphics

The button sizes, colours and images can be customised as shown.

Register Control

Display Message

Message	Explanation
Amount Required	This operation requires an amount entry.
Bad Value	The number entered is incorrect for the task being performed.
Buffer Full	The buffer for soft check, hard check, or buffered receipt has reached capacity. For hard checks, the operator must press the SERVICE key to print the items and clear the buffer. In a soft check environment, this message will appear when the check has reached capacity (maximum lines stored). The register will require the sale to be finalised with the option of printing a bill if required.
Buffer Empty	An operation has been attempted where no information exists, for example the attempt to transfer a check which contains no information etc.
Busy	Destination register is busy (pre poll memory is in use). Requires a clear command from the P.C. or clear using the S-mode menu – Memory clear
Bad Command	The key sequence entered is not a valid operation.
Cash Declaration Required	Cash declaration has been programmed as compulsory, and must first be performed before reports can be printed
Cash-In-Drawer Exceeded	The programmed Cash-In-Drawer limit has been exceeded.
Check# Assigned Auto	The operator has attempted to open a new guest check by assigning a check number. The register has been set to generate its own check numbers.
Check# Required	This register has been programmed to force check number entry to begin a transaction. An existing guest check must be recalled, or a new one started.
Condiment Required	This PLU has been programmed to require a condiment entry.
CRC Error	An error has occurred in the check sum while transferring data in IRC mode.
Duplicate	This check already exists, this may also apply to secret code programming.
Destination	This operation is set for compulsory entry of one of the ten destination keys.
Enter Employee Code	A registration has been attempted without entering the employee number.
Enter Employee #	The employee is required to sign on before performing a task.
Enter Guest Count	The operator must enter the number of guests when opening a guest check, or beginning a sale.
Enter Seat#	Seat number entry is required before the operation can continue.
Enter Table#	Table number entry is required to open a guest check, or begin a sale.
Entry Required	The function selected requires a numeric entry, i.e. an open percent
Error	General error message, indicating mis-operation
Error Jam	The Receipt or Journal printer is jammed, remove the paper jam.
Table Number In Use	The system is programmed to allow only one check number per table, and an attempt has been made to use the same table number twice.
Halo Over	The amount entered exceeds the programmed HALO i.e. the task exceeds the maximum amount allowed.
Illegal Key Sequence	The operator has used an illegal key sequence.
In Use	This guest check or clerk number is already open elsewhere in the system. This is also applicable when the floating clerk system is activated and the operator is in use on another terminal.
Inactive	The key pressed is inactive, also appears if Void Mode has been disabled.
Input Qty	Quantity input is required for a condiment
Kitchen Printer Failure	The kitchen printer has failed to respond. Printing has been re-routed to the designated back-up printer
Manager Required	This operation requires the manager password or a manager employee.

Register Control

Message	Explanation
Memory Full	Memory is full, whilst attempting a register sale. Finalise the current sale.
Negative	The register has been programmed not to allow negative sales.
No Check #	This message appears when the system cannot find the guest check number.
No Data	The PLU entered during stock entry does not exist, enter a valid code.
No Drawer	The employee currently signed on is not assigned to a drawer, and is not allowed to perform cash sales, or the drawer is no longer attached and is required in order to continue.
No PLU	The number entered is not a valid PLU. This message will also appear if a PLU number "built" using modifier keys recalls an invalid PLU number.
Non add# required	This operation requires the entry of a Non-Add number
Not Discountable	The preceding entry is not discountable or item does not allow discounting.
Not Programmed	This key has not been programmed
Not Ready	Remote printer is not ready for printing tasks, check the printer status.
Not Zero	Displayed when trying to delete a PLU that still has sales counts and stock amounts. The PLU must first be reset and cleared from all Z Mode reports.
Off Line	IRC communications have gone off line, check the cable network.
Open Drawer	The register has been programmed not to operate with the cash drawer open, close the cash drawer.
P/Bal Required	This register has been programmed to require a previous balance entry.
Paper End	The guest check printer has reached the end of the form, or the Receipt/Journal paper is at, or near, the end of its roll.
Range Over	The number entered is out of range.
Single Item	This PLU has been set as a single item PLU and cannot be used within a sale.
Subtotal Required	The Subtotal key must be depressed before continuing.
System Error	The register procedure attempted is not allowed, due to the fact a program code has not been set. For example, opening of a check or clerk, where the service mode system option has not be set to determine the register storing the sales data, correctly enter the required program codes.
Tray Subtotal Required	This prompt appears while in a Tray Subtotal transaction. The operator must first press the Tray Subtotal key before pressing any tender keys.
Waste Required	The operator is in the middle of a waste operation and must depress the Waste key in order to complete the operation.
Wrong Employee	The employee attempting to open this guest check is not the person who started the sale. Also appears when attempting to sign on a new employee without first signing the current employee off, if overlap employee is not programmed. Enter the correct employee code.
Sign Off Required	In order to complete this sequence the operator must sign off
Zero Amount	The register has been programmed not to allow zero sales.
Price Level Mismatch	The price level attempted in the sale is not allocated to the PLU, check the price levels set against the PLU.
Override Not Allowed	The clerk has attempted a manual numeric entry such as manual PLU price, but has been disallowed within the system settings program option.
Wrong Sequence	The attempted key sequence is incorrect

Register Control

Message	Explanation
Wrong Command	The attempted command sequence is invalid for this operation
Wrong File Number	The file number accessed is incorrect, for example when sending program IRC. This may be printed if two file sizes are not identical.
Wrong Itemiser	An attempt has been made to print a report for sales totals that do not exist, E.g. an attempt to print a Z2 report when only Z1 has memory.
Under Tender Not Allowed	An attempt to pay the sale with a value less than the Subtotal has been made against a tender key. Tender the exact amount or more than Subtotal
Over Tender Not Allowed	An attempt to pay the sale with a value greater than the subtotal has been made against a tender key. Tender the exact amount or less than Subtotal
Check Tracking Error	An attempt to use 1 of the 4 check files failed, either the service mode option has not been set for which register stores the check data, or within Reg the check was opened using one check file type and stored on another type.
Using	The check or clerk number is in use on another register.
PLU Not Allowed	The PLU has been programmed as disallowed in this key sequence
Condiment PLU Not Allowed	An attempt to sell a condiment PLU without first selling the main product
Non Condiment PLU Not Allowed	The last PLU sold, was programmed to enforce the sale of a condiment PLU, and the next product was not a condiment-flagged item.
Function Key Not Allowed	The function key attempted is not allowed as part of this key sequence.
This Key Is Not Allowed	An invalid key press has been attempted
X/Time Required	The X/Time function is required during the current key sequence.
Invalid Authority Level	The employee authority levels for the current operation is disallowed.
Time In Required	The register has enforced time clock entry before sales are made. The time clock entry must be completed before sales can be made.
Sign On Required	The register requires the entry of an employee number.
Memory Not Allocated	The file attempted to be utilised has no corresponding memory allocation.
This Emp Rpt Must Be Cleared	The employee report must be reset within the Z mode position
Error Status	The program status of the attempted function or item is incorrect.
Error Value	The value entered is not acceptable for this procedure.
Error System Option	The programmed system options are set incorrectly for the attempted procedure. For example a check or clerk access has been attempted and the register storing the data has not been set within the service mode options.
Error Employee	The employee number settings are incorrect for the attempted procedure, or an attempt to change the employee mid operation has been made.
Error Table No	The table number entered is not valid, enter an alternative table number
Promo Not Allowed	The promotion key has been disallowed for the current product or procedure
Waste Not Allowed	The wastage function key is not allowed during the current operation.
Decimal Entry Not Allowed	An attempt has been made to use the decimal key incorrectly
Split Pricing Not Allowed	The multiplication key has the ability to carry out fractional entries, for split pricing, this feature is not allowed during this current operation
Void Mode Is Deactivated	Access to the void mode has been restricted in the program system options.
Tendering Is Not Allowed	Sale finalization using a tender key has been attempted however the procedure is disallowed during the current operation.
Job Code Required	An employee must be linked to a job code to use the time clock feature
Job Code Change not allowed	The employee using the time clock is not allowed to change jobs.
Push Button Entry Required	Employees must push a button and not use a code to sign on.

Register Control

Message	Explanation
Employee Code Not Linked	Sign on by code is set and the attempted employee code is not programmed
Tendering is not Allowed	It is not possible to enter a monies amount tendered at this stage
Over Regular hours per Week	Clocked in employee has logged hours worked greater than week value set
Must <= Line# Per Transact	An attempt to enter the number of lines per check greater than the number of lines per transaction has been made during memory allocation
Must >= Line# Per Soft Check	An attempt to enter the number of lines per transaction less than the number of lines per check has been made during memory allocation
No Stock PLU	The product selected for stock maintenance has not been defined as an inventory PLU within the PLU status group settings.
Linked Status Required	This requires the item is set with a Status Group and Group option
Return to X Mode	The current procedure requires completing, return to X mode.
Local Printer Required	This procedure requires the programming of a printer
Check Network Setting	The Register to Register (IRC) network options are not running.
Set Date & Time deactivated	The option to program the date and time has been disabled within program
Employee Should Be Different	The employee needed to complete the sequence can not be the same as the signed on employee code, enter another code.
Transfer Not Allowed	The attempt to transfer a check or clerk balance is not allowed
Req Gallonage Amount	The product is a gallonage product and requires the entry in gallonage
Available Only In Check	The operation is only available when a check number is open and in use.
Split This Item Is Not Possible	Split pricing or split bill procedure has been attempted against a product, this option has been disallowed.
Function Key Not Included	The function key selected is not allowed within this operation.
Error Post Tender	The post tender operation allows the calculation of change for a paid sale. This feature has been disabled or operated incorrectly.
No Tracking Data In This Reg	An attempt to clear the check tracking sales data has been made from a register which is not set within the service options to store the check data.
No Time Keep Data In This Reg	An attempt to clear the employee time keeping data has been made from a register which is not set within the service options to store time clock data.
Multiplication Limit Exceed	The value entered is greater than the programmed multiplication max limit.
Tab Of Field 2 Too Big	The tab value in setting of non PLU's (price inclusive barcodes) is wrong
Non PLU Code Range Over	The value entered in setting of non PLU's (price inclusive barcodes) is wrong
Misc Tend Required	The miscellaneous tender function key is required as the next key sequence.
Same Check Track Required	The register has four check tracking files, the opening and closing of the balance should be carried out using check type function key. An attempt has been made to open a balance on one check type key and closed on another.
Not Scaleable PLU	Registration of a PLU not set as scalable has been made
EJ Buffer Full	The electronic journal is full. A Z reset electronic journal report is required.
Must Be Start<=End In Range	When entering a range, the end of the range must be greater than the start
Range Overlap	The range entry for reporting or programming is incorrect.
Final End Should Be 9 Or 99	The ending value has been entered incorrectly, re-enter with either a 9 or 99
Not PLU	The key selected for the sequence is the incorrect type, re-select a PLU key

Register Control

Message	Explanation
Surcharge Not Allowed	The sale has been restricted preventing the addition of a surcharge
Decimal Entry Required	The current sequence requires the entry of a decimal amount
System Reg# Required	The current operation cannot be completed until the register which holds clerk / check tracking data has been set in S mode system options
Training Emp File# Required	The attempt to print a training report, or access clerk training is not possible unless the training clerk settings have been allocated within the program
Time In/Out Reg# Required	The time in / out function can not be operated until the service mode settings have been programmed to set the register storing time clock sales
Check Tracking Reg# Required	The check tracking function can not be operated until the service mode settings have been programmed for the register storing the check tracking
Electronic Journal Inactive	The electronic journal cannot be printed unless activated within the P mode.
Cheque Endorsement Required	The cheque key has been programmed to force endorsement printing to an external printer, the cheque endorsement function must be pressed
EFT Cancelled	Cancel has been pressed on the EFT unit, select another method of payment.
Card error	The EFT is not operating, there is a problem with the card
Printer Off Line	The printer is powered off or out of paper, correct the problem and retry
KV Off Line	An attempt to display the sale on a kitchen video has failed, re-check settings
No Relocatable Key	The function is not re-programmable as it is a fixed key
Dallas key Compulsory	The register is set to force an employee sign on with magnetic Dallas key.
Enforce Actual Inventory	The actual stock quantity is compulsory during this operation
Authority Level Not Linked	The employee currently signed on is not set with the correct authority options
Stock Is Not Zero	The stock of the current product is not zero, the procedure is not allowed.
Incorrect Code	The value entered is not correct for the operation, re-enter the correct value.
Soft Check Only	This function can only be used if the memory is set for soft check tracking.
Inactive PLU	The PLU selected has been programmed as inactive.
Multiple Disc Not Allowed	The current system settings disallow more than one discount per transaction.
New Check Opened	The system has opened a new check number. It is possible to use either the New check or check # function keys to create a new check
No More Split Tender Allowed	The system has prohibited the partial payment of a sale value
Check Pole Display	The pole display connection has failed, re-check the connection
Not Allowed With Open Orders	The system program options have been set to prevent reporting when an open balance exists, close all balances before attempting the report
Now Polling!	The register is currently connected to the computer
Void Promo First	The sale consists of a promotion item, in order to void the selected product you must first void the promotional item
Multiple Receipts Not Allowed	The system has been set to disallow printing of multiple post sale receipts
Mix And Match Error	The product sold has an incorrect mix and match link, or the linked mix and match number has not been programmed
Clerk Interrupt Error	The clerk interrupt program options are incorrectly set, or an invalid register operation has been attempted
Check Opened No Data	The check number entered has no sales data
No Clerk Buffer In This Reg	The clerk sales data are held on another register within the network as set within the service options.
Not Allowed With Open Clerks	The procedure can not be completed whilst there are sales against a clerk, finalise all outstanding, then print the report
Not Allowed	The attempted sequence is invalid or has been disallowed within the P mode.

Register Control

Message	Explanation
Device Open Error	The device is unable to open due to an error.
Password Error	The Password entered is incorrect.
Nothing Selected	No selection had been made.
Invalid SD Card	The SD card being used is the wrong format or is not working correctly.
Reset Report?	This is shown after a report with an option of Yes or No clearing prompt.
Choose IRC Reporting	IRC reporting has to be selected for the desired report to be printed
Please Check Sd Card	The SD card may be full or not inserted correctly
MCR Required	Magnetic card reader required.
File Not Found	The requested file has not been found.
Out of Stock	The item is set to only allow a sale if stock present, and there is no stock.
Under Minimum Stock	The item is below the preset minimum stock value set in the register.
Delivery not Opened	The delivery selected, is not in an open status, use the delivery key to open the customer details.
Please Check USB	The USB did not read, power off/on the register to recognise the device.
Invalid USB	The USB is recognised but deemed invalid
Print Check First	The Print Check bill must be produced before continuing
Cover Open	Close the printer cover
Paper Near End	Paper Roll is running low
TPH Temperature is High	The printer thermal head is too hot, allow the printer to cool
Auto Cutter Jam	The printer is jammed
Printer Buffer Full	The printer can not receive any further data, check transmission
Mode Change Error	Turn the mode switch back to the original position
Restore Dallas Key	The signed on employee has removed the Dallas key, replace key on lock
Modification not allowed	Condiment or PLU item adjustments are not allowed as the order has printed.

Reset Procedures

Memory All Clear

The register is shipped reset and operational with the default file sizes. In order to change the settings, it is necessary to factory reset the terminal using the following procedure.

- Turn the **C** key to the unmarked **S** mode one position past **P** mode on the lock

- Power **OFF/ON** whilst depressing the **3rd** key on the keyboard
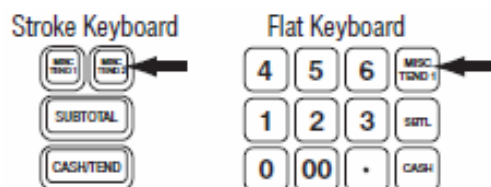
- Press the **Top left, Bottom Left, Top Right, Bottom Right** keys on the keyboard.
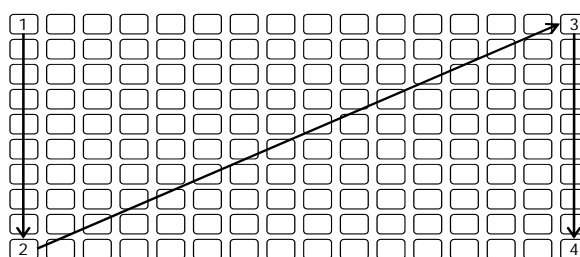
- The display shows "**Enter Register Number (1-32)**". Type the till number and press **OK.** The register has been reset back to factory default file sizes as shown following

  The memory allocation is explained following in detail.

# of PLU's	1000	**# Of Product Mix**	Yes
# of PLU Status Groups	99	**# Of Product Mix Group**	50
# Of Price Levels per PLU	4	**# Of Product Mix Time Period**	24
PLU report by Price Level	Yes	**Projections**	No
# Of Employees	10	**# Of Recipes**	10
# Of Time Entries	24	**# Of Inventory Ingredient**	20
Use Group by Employee	Yes	**# Of Lines for Electronic Journal**	5000
Check Tracking Method	Soft	**Clerk Interrupt**	Yes
# Of Tracking Files	2	**Track 1,2 by Time Periods**	Yes
Maximum Number of Check 1,2	50	**Report Selection**	Z1, Z2
# Of Lines per Transaction	150	**# of Promotion Tables #**	10
# Of Lines per Check/Interrupt	150	**# Of items for Promotion**	10
# Of Time Periods	24	**Delivery Table**	10

Memory allocation - definitions

The memory allocation defines the maximum number of file sizes. Once set the options *can not be changed* without carrying out the memory all clear procedure.

| # Of PLU	This is the maximum number of PLU's (Price Look-Ups) available
# Of PLU Status Groups	This is the maximum number of Status Groups. These are used to program common system flags to a group of PLU's and are required by the system.
# Of PLU Price Levels (1 - 5)	This is the number of price levels per PLU. Each product has the ability to use five prices selected from twenty price bands. This allows the user to create a matrix of products, selected for sale using the correct price key. This also provides a detailed report when used with the PLU report by price level.
PLU Report By Price Level	It is possible to produce a read and reset report listing the sales quantity and value for each of the prices used per product, also providing an overall analysis of the sales quantities and values for the each price level.
# Of Employees	This is the number of operators for the system also including the total number of employees available for the time clock wage calculation feature. In order to produce the training financial report, include an additional employee.
# Of Time Entries Per Employee	This is the number of times an employee can clock into the system before a daily time keeping reset report is required to be printed. (I.e. shifts per day)
Use Group By Employee	It is possible to produce a report showing specific group values sold per clerk. There are 30 groups are available for each individual clerk. This allows a one range of 30 groups to be allocated to clerk 1 and a different range of groups to be allocated to clerk 2 etc.. with the relevant sales reporting
Check Tracking Method Soft / Hard	This is the method by which balances can be stored within the system. Soft refers to a complete detailed analysis with all product sales stored and printed. Hard refers to balance only storage.
# Of Tracking Files	The norm is to have one tracking file for table detail storage. This however can be increased to four, each running independently. This could be utilised to provide storage for Tables, Bar Check, Room Tabs, etc.
# Of Lines Per Transaction	This is the maximum number of products, which can be sold per transaction and must be greater than the number of lines per check/interrupt.
# Lines Per Check/Interrupt	This is the maximum number of product lines that can be stored per check, also when using clerk interrupt this is the number of lines that can be stored
Maximum # Of Checks	This is the maximum number of checks that can be in use at any one time. The value you enter here provides the maximum for each of the tracking files independently Each of the four check files may have a different example Check file 1 may be used for bar tabs of which a maximum of 50 tabs are required, whilst check file 2 may be for tables of which a maximum of 200 tables are required.

Memory allocation - definitions

# Of Time Period (24/48/96)	This is the number of time periods for sales reporting. This can be either 24-hourly, 48 - 1/2 hourly, 96 - 15 minutes. Further programming allows suppression and edit of any time report within the chosen range
# Of Product Mix Groups	Product mix groups are used for individual or for a group of products, providing an outer and single unit usage analysis. The analysis is automatically updated when products are sold.
# Of Product Mix Time Period (24/48/96)	This is the number of time periods for product mix group sales reporting. This can be either 24-hour, 48 - 1/2 hourly, 96 - 15 minutes. Further programming allows suppression and edit of any of the time periods within the chosen range.
Projections	The product mix usage per time period can be used for defined weekly projections of product usage determining how many of each group have been used per day of the week over four weeks. This is in addition to the normal product usage analysis report.
# Of Recipe	Recipes can be used for stock control, when a product is sold; the information will be automatically calculated back through the recipe file in order to deduct the stock from the relevant ingredients. This is the maximum recipes available
# Of Inventory Ingredients	This is the maximum number of ingredients required for recipe inventory stock control on the whole system i.e. the total number of ingredients for which stock control will be required.
# Of Lines For Electronic Journal	This is the maximum number of lines available for the journal storage area before a reset report is required. One line is needed for each line of normal print. Wrap round reporting can be activated with line by line override of the oldest data.
Clerk Interrupt	This enables the layaway of active sales enabling more than one operator to use the terminal at any one time.
Destination By Time Periods	This allows analysis of a sale within a specific type such as eat in / take out etc. The sale total is stored under the destination heading for reporting on the financial and appropriate time period report. The analysis keys can also be used to change the printer output or tax status for product orders
Track 1 – 4 By Time Periods	The activity of paid checks can be reported per time period.
Report Selection Table	This enables activation of five reporting areas for each of the file types shown. The five report areas can be read and reset independently.
# Of Promotion Table (Mix And Match Table)	This is the maximum number of promotion tables that can be used.
# Of Items for Promotion Table (Mix And Match Table)	This is the maximum number of items that can be used in a promotion
Bitmap Nv Buffer (0 – 999999)	This is required for bitmap printing, setting of 0 allows standard NV image printing
Delivery Table	This is the number of customer address records for associating to open check balances. This is used in-conjunction with the maximum number of checks.

S (Service) Mode

Self tests - Testing

The following procedures are used to perform diagnostic tests on the terminal. The integrity of peripherals are tested at this stage.
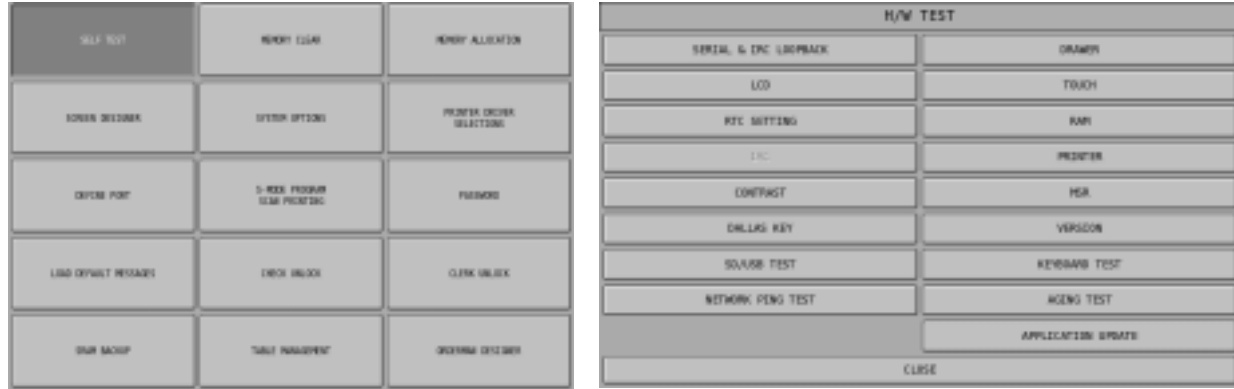
Serial & IRC Loop Back	This is a diagnostics test for the serial port. Special Loop back connections are required.
Drawer	This will test the opening of the cash drawers.
RTC Setting	This is the real time clock setting for the service mode.
Ram	This will test both reading and writing of the Random access memory.
IRC	This will test the Ethernet inter register communication, helping to determine that all terminals are connected.
IRC System	This tests the Inter Register communications network.
Printer	This will test any printer connected to any of the output ports
Version	This displays the current firmware versions
LCD	This will test the registers display
Touch	This will allow you to calibrate the touch screen and also test it.
Dallas Key	This tests the Dallas key.
Contrast	This changes the contrast of the screen.
MSR	This tests the Magnetic Card Reader
Keyboard Test	This tests the real keyboard
SD/USB Test	The SD card and USB slots are tested using this option
Network Ping	Access to IP address in the Network and be tested
Age Testing	This is a hardware device test
Application Update	This is used to update the version as explained in detail following.

Self tests – Application

Version Check

The current software version can be identified using the Version Icon in the self test menu
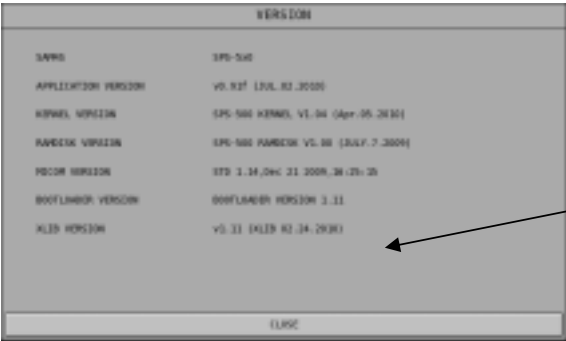
Application Program	This controls operation and features. The version and date should be noted.
Micom	MICOM is supported by it's own flash memory. MICOM controls LCD brightness, touch, buzzer and MSR
Boot Area program	This initializes hardware and loads the OS to main memory. This is executed at power-on.
KERNAL and RAMDISK	Related control programs

Loading the Application Version

The software which controls the POS application can be backed up or loaded as shown. It will be necessary to completely factory reset the terminal after loading any application software. It may therefore be advisable to also backup any program before loading in a new application.

The update files should be copied onto FAT32 formatted SD Card or USB, within a folder **\SPS500**. When the **Application update** option is selected, the files will be loaded.
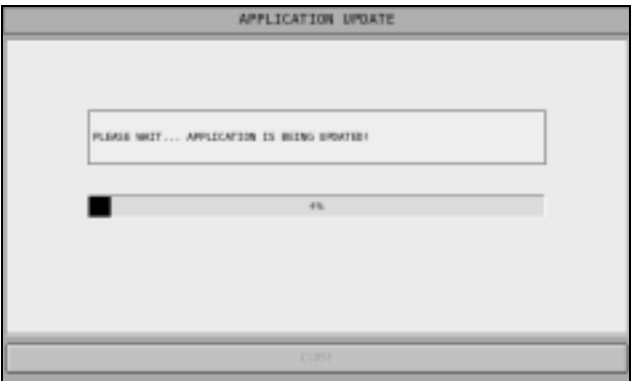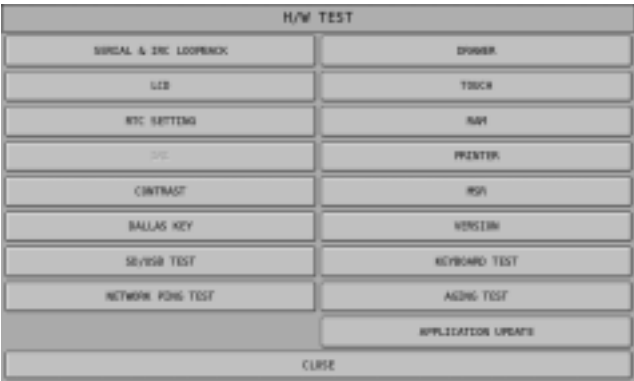
Sales Memory Clear

The following procedure allows resetting of all sales totals, and the deleting of the PLU program file.

Reset All Ttls, Cnts & Grand Ttls	This will remove any sales from the reporting memory, clearing all totals, including grand totals
Clear Totals And Counters	This will clear all sales totals from the reporting memory, excluding grand totals.
Clear Grand Totals Only	This will clear all grand totals.
Clear Order Tracking 1 - 4	This will clear the open checks, setting the balance to zero. The PLU sales are still retained for that check on the financial and product reports. This operation must be done on the terminal, which holds the check tracking data set by S-mode options.
Clear Paid Order Recall	This resets the memory for displaying paid transactions, the information will begin storing again.
Clear Product Projections	This will reset any information held in the product mix, sales projection files, which store the product usage and period projection analysis.
Clear Time-Keeping	This will reset employee time clock information, remove all hours worked totalisers and labour costing.
Clear Clerk Interrupt	This will remove any sales currently open against an employee.
Clear Pre-Poll Status Flag	If PC collection fails the data is stored in the pre-poll area, and no PC collections can be made until cleared
Clear PLU File	This will remove all programmed PLU's from the file, leaving only the basic program
Clear Electronic Journal	This will reset all sales data held within the electronic journal without printing.
Clear Consecutive#	This will reset the receipt consecutive number
Clear All 1-11	This will clear all sales totals as shown above in options 1 –11
Reset Global Order#	This will reset the global order number back to zero
Set Counters	This allows the consecutive numbers and Z counters to be manually entered

Screen / Keyboard Designer

The following screen options, are available for selection and design within S-Mode, Screen Designer, Screen Designer option, and Real Key Program

- Use the ▼ or ▲ keys to select the screen you wish to program, or use the **SCREEN** tab to show a selection of screens to select from

Select Key
Button Selection Type, i.e. PLU, Function, Screen or Macro.
Alternatively press button then select the List tab to choose

Apply to Another Screen
This copies the button attributes, either the **Key** function or just **Shape** to **all screens** entered in the **range.**

Screen Descriptor
This names the screen, this is then shown for screen selections

Reset Key
This clears the key settings, changing the key to a blank

PLU Quick
This allows quick edit by grid of the PLU files, for easier screen access

Image
Sets the key image, either pre loaded or user defined in Microsoft Paint or likewise

Screen Link
This calls up a further screen when the opened screen is closed.

Number of Choices
This is the number of items to be sold before the screen automatically closes.

Item Multiplication
This prevents the X/time key operation

Allow Exit from Table with Done
This prevents the user exiting without first completing the number of choices

Copy to another Screen
This copies the button screen details to **all screens** entered in the **range.**
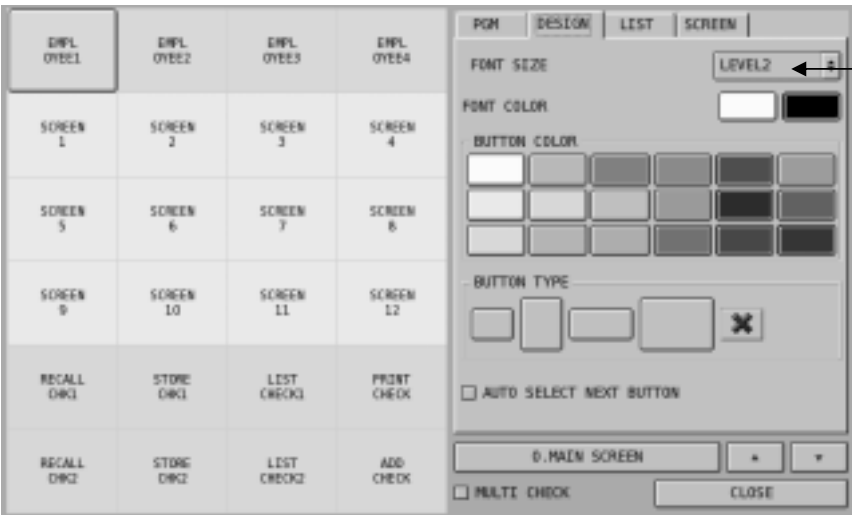
Multi Check
Used to assign the same attributes to a group of buttons at the same time.

Touch multiple positions then make selections

Display Background Image
When set this displays a user defined background as shown.

Screen / Keyboard Designer

Key Relocation Screen—Design Tab

Font Size
This controls the text size

Font Colour
This determines the font Colour

Button Type
This sets the button Shape, with X hiding the button

Auto Select Next Button
When selected this ensures the next button selected follows the same format as previous.

Real Keyboard

There are 5 levels of keyboard which can be programmed, these are pre-allocated with the PLU ranges

		Keyboard 3	PLU 321 to 440
Keyboard 1	PLU 1 to 120	Keyboard 4	PLU 481 to 760
Keyboard 2	PLU 161 to 280	Keyboard 5	PLU 641 to 600

Which keyboard level to program is select by pressing the **LEVEL** icon at the bottom left, the key position can be pressed and the require type of **Function, Macro, PLU** or **Screen** can be selected, which in turn displays the associated records for selection. The main functions of the Real keyboard screen are as shown.

Function, Macro, PLU, Screen
Used to link an item to a key position

Key#
The key function can be selected from the lists using **Page Up/Down** or by pressing **KEY#** and entering the function code manually.

Top Left, Top Right, Bottom Left, Bottom Right

This is used to select an area of the keyboard to view (or program)

Level

Used to select the keyboard level 1 to 5.

Screen Images

The Image icon is used for allocating an image to a button, also to load in :-

- Button Images
- Table planner button images
- Screen Saver Images
- Background Screen Images (see table management)

Note :- Any screen can be captured to a FAT32 formatted SD card or USB Stick, with a USB keyboard (plugged into the rear USB port). The screen images can be used in training and sales literature.

On the screen to captured press **F5,** this can be done multiple times for multiple screens. To copy the screens to the Card press **F9,** or press **F10** for USB stick copying. Then press **F7** to remove the images from memory.

The files are stored \SPSxxxxcapture folder, as .png image files named as the date and time of capture.
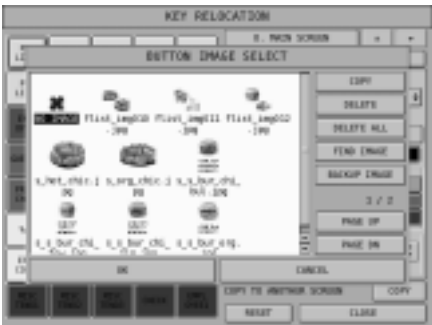
Copy	This requires an SD card or USB to load images (see below)
Delete	This deletes the selected image
Delete All	This removes all images
Find Image	This locates an image based on name
Backup Image	This saves the images on to the SD or USB stick in the \Image\storename (000000 used if no storename) folder

Key Images

The images for buttons, can be selected from a screen list as above or custom designed, The Images should be created as Jpeg files using Microsoft Paint or likewise to the sizes shown

 1 x 1 size keys - 60 x 50 pixels.   1 x 2 size keys 120 x 50 pixels

 2 x 1 size keys 60 x 100 pixels   2 x 2 size keys 120 x 100 pixels

The files are placed on the FAT32 formatted SD card or USB in folder named **\Image\StoreName** (00000 used if no store name)

The images are loaded within Screen Designer, using the Image icon, Copy option. This will load the files from the SD/USB into the image list for selection to key

Screen Images

Screen Background images

Screen Backgrounds can be designed and added to each screen except the Main Screen. The image will show where the keys have been deleted. These images should be created as Jpeg files using Microsoft paint or likewise.

The Image files are created as **Flist_img###.jpg** where ### is screen 1 to 200. The Recommend size is 320 x 425 pixels.

The files are placed on the FAT32 formatted SD card or USB in folder named **\Image\StoreName**
(00000 used if no store name)

The images are loaded within Screen Designer, using the Image icon, Copy option. This will load the files from the SD/USB into the image list for selection to key

Example
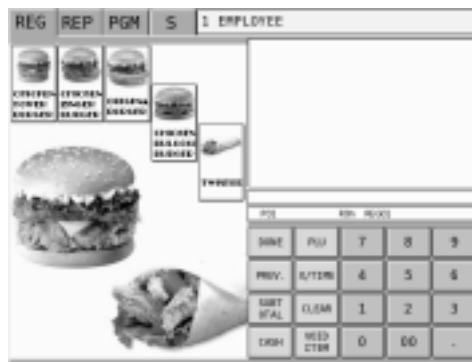
Screen Saver Images

Screen Images can be designed and added in place of the default Sam4s Logo. These should be created as Jpeg files using Microsoft Paint or likewise to the size shown below.

It is possible by changing the System Option – General Function Option – Screen Saver, Rotating to allow up to 50 images to display in sequence on the screen.

- Image files are created as

Single Image	**Logo.jpg** – 600 x 400 (under 100k) - System option as Floating	Multiple Images	**Logo01.jpg** to **Logo50.jpg** – 600 x 400 (under 100K) - System option as Rotating

The files are placed on the FAT32 formatted SD card or USB in folder named **\Image\StoreName**
(00000 used if no store name)

The images are loaded within Screen Designer, using the Image icon, Copy option. This will load the files from the SD/USB into the image list for selection to key

In order to display multiple images in succession, the System Option – General Function Option – Screen Saver, can be changed Rotating.

Function List

| #		#		#		#	
1	1	101	DESTINATION 1	177	PRICE LEVEL 8	253	NEW CHECK 3
2	2	102	DESTINATION 2	178	PRICE LEVEL 9	254	NEW CHECK 4
3	3	103	DESTINATION 3	179	PRICE LEVEL 10	256	PRICE CHANGE
4	4	104	DESTINATION 4	180	PRICE LEVEL 11	257	CASH W/DRAW
5	5	105	DESTINATION 5	181	PRICE LEVEL 12	268	PREV. LIST
6	6	106	DESTINATION 6	182	PRICE LEVEL 13	269	NEXT LIST
7	7	107	DESTINATION 7	183	PRICE LEVEL 14		
8	8	108	DESTINATION 8	184	PRICE LEVEL 15		
9	9	109	DESTINATION 9	186	PRICE LEVEL 17		
10	0	110	DESTINATION 10	187	PRICE LEVEL 18		
11	00	117	MACRO #	188	PRICE LEVEL 19	401	MACRO 1
12	000	118	MDSE RETURN	189	PRICE LEVEL 20	402	MACRO 2
13	ADD CHECK	119	MISC TEND 1	191	PRINT CHECK	403	MACRO 3
16	CANCEL	120	MISC TEND 2	193	PROMO	404	MACRO 4
18	CASH	121	MISC TEND 3	195	QUIT	:	:
21	CHEQUE	122	MISC TEND 4	196	RCPT ON/OFF	498	MACRO 98
22	CHEQ CASH	123	MISC TEND 5	197	RECALL CHECK 1		
24	CLEAR	124	MISC TEND 6	198	RECALL CHECK 2		
25	CONTINUE	125	MISC TEND 7	199	RECALL CHECK 3		
26	CURR CONV 1	126	MISC TEND 8	200	RECALL CHECK 4		
27	CURR CONV 2	127	MISC TEND 9	201	RECD ACCT 1		
28	CURR CONV 3	128	MISC TEND 10	202	RECD ACCT 2		
29	CURR CONV 4	129	MISC TEND 11	203	RECD ACCT 3		
30	CURR CONV 5	130	MISC TEND 12	204	RECD ACCT 4		
33	TABLE DSP	131	MISC TEND 13	205	RECD ACCT 5		
35	DECIMAL	132	MISC TEND 14	206	RECEIPT		
36	REPORT	133	MISC TEND 15	207	REPEAT		
37	DONE	134	MISC TEND 16	208	SCALE		
40	EMPLOYEE	135	MISC TEND #	209	SEAT		
41	EMPLOYEE 1	136	MODIFIER 1	211	SPLIT ITEM		
42	EMPLOYEE 2	137	MODIFIER 2	212	SPLIT PAY		
43	EMPLOYEE 3	138	MODIFIER 3	213	STOCK INQ		
44	EMPLOYEE 4	139	MODIFIER 4	214	STORE CHECK 1		
45	EMPLOYEE 5	140	MODIFIER 5	215	STORE CHECK 2		
46	EMPLOYEE 6	141	MODIFIER 6	216	STORE CHECK 3		
47	EMPLOYEE 7	142	MODIFIER 7	217	STORE CHECK 4		
48	EMPLOYEE 8	143	MODIFIER 8	218	SUBTOTAL		
49	EMPLOYEE 9	144	MODIFIER 9	219	TABLE 1		
50	EMPLOYEE 10	145	MODIFIER 10	220	TABLE 2		
52	ERR CORRECT	147	#/NO SALE	221	TABLE 3		
53	FD/S SHIFT	148	P/BAL	222	TABLE 4		
54	FD/S SUBTL	151	PAID OUT 1	224	TAX EXEMPT		
55	FD/S TEND	152	PAID OUT 2	225	TAX SHIFT 1		
56	GUEST #	153	PAID OUT 3	226	TAX SHIFT 2		
58	INACTIVE	154	PAID OUT 4	227	TAX SHIFT 3		
59	KEY LEVEL 1	155	PAID OUT 5	228	TAX SHIFT 4		
60	KEY LEVEL 2	156	E.J. RECALL	229	TAX SHIFT 5		
61	KEY LEVEL 3	157	% 1	230	TAX SHIFT 6		
62	KEY LEVEL 4	158	% 2	231	CLK IN/OUT		
63	KEY LEVEL 5	159	% 3	232	TIP 1		
64	LIST CHECK 1	160	% 4	233	TIP 2		
65	LIST CHECK 2	161	% 5	234	TIP 3		
66	LIST CHECK 3	162	% 6	235	TRANS CHK1		
67	LIST CHECK 4	163	% 7	236	TRANS CHK2		
69	DELIVERY	164	% 8	237	TRANS CHK3		
72	DELIVERY LIST	165	% 9	238	TRANS CHK4		
80	SHIFT CHANGE	166	%10	239	TRAY SUBTOTAL		
90	ENTER	167	PLU	241	VOID ITEM		
91	CURSOR DOWN	169	PRICE INQ	242	WASTE		
92	CURSOR UP	170	PRICE LEVEL 1	243	FUNC. LIST#		
93	CURSOR LEFT	171	PRICE LEVEL 2	244	X/TIME		
94	CURSOR RIGHT	172	PRICE LEVEL 3	248	KP ROUTING		
95	PAGE DOWN	173	PRICE LEVEL 4	249	SPLIT CHECK		
96	PAGE UP	174	PRICE LEVEL 5	250	ALPHA TEXT		
97	NEXT RECORD	175	PRICE LEVEL 6	251	NEW CHECK 1		
98	PREV. RECORD	176	PRICE LEVEL 7	252	NEW CHECK 2		

S Mode System / Communication Options

This section is used to define the most fundamental parameters of the whole system such as, how many machines are in the network, which machine number will store common data etc.
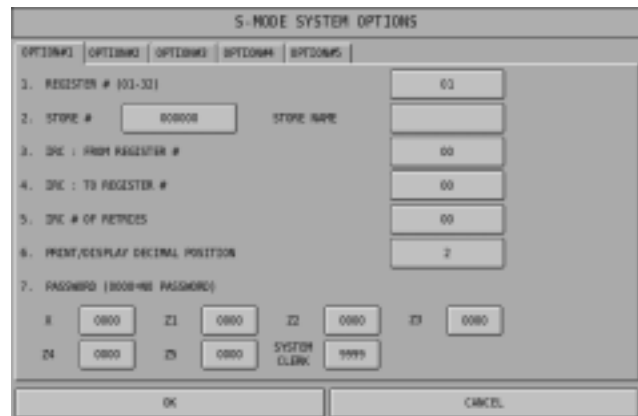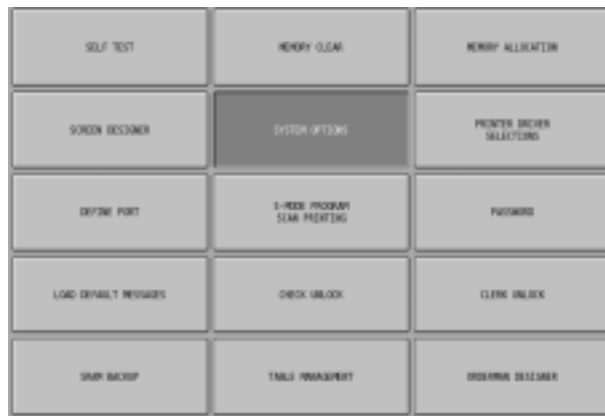
Inter-Register Communications (IRC)

Register # (1-32)	The register's number, the terminals are numbered consecutively from 1
Store #	This identifies PC communication by store number. The default is 0
Store Name	This is used as the filename for backing up the register.
IRC From / To Register	This is the range of registers in the network
IRC Number Of Retries	How many attempts to establish a network before errors – The default is 10
Reg Holds Time In/Out	This is the register holding the global time clock in/out data
Reg Holds Check Tracking	This is the register holding the check file, this can be global or individual.
Reg Hold KP Global Order#	The order number can be register/consecutive number or an overall global number. This is the register that would hold the global number
Reg# Holds Clerk Interrupt Data	This is the register which is holding the clerk interrupt data, this can be global or individual

IP Address IRC and Polling

Network Setting	If No the default IP addresses are used 192.168.11 (Reg 1) .12 (Reg 2 etc.) If yes manual network settings can be entered including ADSL DNS options.
IP Address	This is the manually entered IP address. The Default is 192.168.0.11
Subnet Mask	This is subnet mask usually 255.255.255.0, entered if Network Setting - Yes
Gateway	This is the Network Gateway and need only be set for user defined IPs For an IP address of 192.168.0.11 this could be 192.168.0.1
DNS Sever 1, 2	This is the internet settings as supplied by the internet provider for ADSL connections.
PC Connection Type	This determines if the PC connection is Serial or Ethernet based. If Serial the port is programmed in S mode - define Serial Ports
PC Port	This is the network port for the PC and is usually 8027

Options

Sales Area Configuration	**NOT USED (default)** - transaction area and 24 buttons **TWO COLUMN** - a larger transaction area, larger font size and 12 buttons **ONE COLUMN** - a larger transaction area ,larger font size and 6 buttons **FULL SCREEN** - where the transaction area occupies the entire screen
Default Floor Number	This is the floor plan displayed when the Table Display key is pressed
Print/Display Decimal	This is the number of decimal places the system will use.
Password (0000 – No Password)	If a password is set here it must be entered prior to printing the report.
Send PLU Descriptor When Polled	This will send in addition to the normal information, the PLU description, when polled by a P.C.
Track Holds Delivery	Which of the 4 tracking files will store the customer totals for deliveries
Display Printer Error When Polling	If the PC is set to print reports when polling this determines how to respond when the printer is not available.
Drawer Open Count	Default is 1. This is the number of drawer open pulses
Drawer Open Delay	Default is 100. This is the time delay between pulses
Drawer Open Time	Default is 200. This is the length of the drawer pulse

Printer Driver Selection

This is used to customise existing printer formats or to add generic printers to the system. There is normally no need to change this information. The only exception being, printing bitmap images where the logo settings should be changed as per the printer manual.

Printer Type	Common printer types have been defined, Bixolon, Citizen, Epson etc, These need no modification. The system does have some custom printer types available for technicians to allocate their own settings.
Printer Task (Initialise, Compressed Etc.)	This is the definition area of the tasks the printer can perform such as bold, underline etc. This is a fixed field and is used to label the start and cancel codes.
	The only amendment that needs to be made is when a bitmap graphics image is to be printed on an external printer. Then the relevant control code from the printer manual should be entered under the logo section. For example the Bixolon SRP350 would require 1C7xxx where xxx represents the image number for external receipt header logo printing.
Start Code	This code relates to the printer task and is input from your own printer manual when defining a custom printer.
Cancel	This code relates to the printer task and is input from your own printer manual when defining a custom printer.

Serial Port - Device Selections

The serial ports are the physical connections on the terminal, the following section defines which type of peripheral will be attached to the port. The peripherals available may be subject to supply and country legislations, if in doubt please contact your system provider.

Port	This is the number of the physical port on the terminal. (5 as standard)
Device	This is the peripheral that will be connected to the port. The following options can be chosen. **Disable** The port is not active. **Printer** The port will be used to operate a printer; which are then presented with a list of printer types, all of which are pre-programmed with Driver setting. **Video** This is a linked Kitchen Video System for the display of products. **Polling** This is the on-line computer link. **Scanner** This option enables a barcode scanner.
Printer Type	When a printer is selected in device, this displays printer manufacturer list.
Port Description	This is an area in which you can type your own description of the task the port is carrying out, i.e. SHOP PRINTER, HAND SCANNER etc.. This description is for your own reference purposes.
Baud Rate	This is the Baud Rate of the device, the communications speed of the device
Parity	This is set per device, and supplied by the peripheral manufacturer
Data Bits	This is set per device, and supplied by the peripheral manufacturer
Stop Bits	This is set per device, and supplied by the peripheral manufacturer
Retries	This is the number of attempts that will be made to communicate with a device before failure is declared the default settings are satisfactory for most commonly used peripherals. This is set to 3 as default
Feed Lines Before Printing / After Printing	This is the number of lines to be fed before or after the printing is started, this will help format the ticket for non cutter printers.
Logo Size	Dependent on the method of image printing the size can be changed.
Lines On Hard Slip	This is the number of lines that can be printed on a loose paper printer, before a prompt for the next page appears.
Cutting After Printing	When a printer has the capabilities of auto cut, this option will decide if that feature is to be used, i.e. For receipts it is commonly set to yes, however detail journal printers do not require this option.
Print Bitmap	This always needs to be set for printing of the graphical images to receipt printers, working in conjunction with the system settings. The images should be loaded to the printer via the print supplied printer utility

Service Mode Program Scans

Memory Allocation	Prints the definitions of the systems features and file maximums
System Options	This prints the most basic of features such as terminal number and IRC (Inter Register Communications) settings
Printer Driver Selections	This print out shows how technicians have customised the printers.
Port Device Selections	This prints the function of each of the physical ports listing the peripheral type connected.
Define Port Parameters	This prints the configuration of the ports, communication speed and unique settings
Super Macro	This prints every recent key press made
Re-print Receipt	It is possible to re-print by receipt number from the receipt sales held in the electronic journal
Program Version	This prints the current software version
Real keyboard	This prints the functions currently allocated to the keyboard

Manager Password

Function keys can be programmed to prompt for a manager password when pressed. This prompt will not appear if the operator using the function is flagged as a Manager.

In addition this code can be entered prior to pressing an employee key, and program mode can be accessed without previous knowledge of the employee sign on codes.

SELF TEST	MEMORY CLEAR	MEMORY ALLOCATION
SCREEN DESIGNER	SYSTEM OPTIONS	PRINTER DRIVER SELECTIONS
DEFINE PORT	S-MODE PROGRAM SCAN PRINTING	PASSWORD
LOAD DEFAULT MESSAGES	CHECK UNLOCK	CLERK UNLOCK
SRAM BACKUP	TABLE MANAGEMENT	GROUPKEY DESIGNER

Password	This password should be programmed and a record of the number kept when authority restrictions are used. Alternatively, the default setting of 9999 can be used if password override is required.

Load Default Message

This will revert back to default text, any messages which have been changed from their original default settings.

SELF TEST	MEMORY CLEAR	MEMORY ALLOCATION
SCREEN DESIGNER	SYSTEM OPTIONS	PRINTER DRIVER SELECTIONS
DEFINE PORT	LOAD DEFAULT MESSAGES — ARE YOU SURE? YES / NO	PASSWORD
LOAD DEFAULT MESSAGES	CHECK UNLOCK	CLERK UNLOCK
SRAM BACKUP	TABLE MANAGEMENT	GROUPKEY DESIGNER

Error Messages	These are the onscreen display prompts warning the operator of miss-operations.
System Descriptors	These are the onscreen and reporting messages designed to assist the operator.

Unlock Procedures

This will reset any locked operational checks or clerk interrupt details. This must be performed on the terminal set to store the data in the S-mode system option settings.

Check Unlock	Used in the unlikely event that an open check track number becomes locked and inoperable
Clerk Unlock	Used in the unlikely even that an open clerk interrupt buffer becomes locked and inoperable.

SRAM Backup

Used to backup and restore data to and from an SD card, also this option has the ability to send files to the FTP, this menu option is shown in detail within the Report Mode chapter

Backup	This backs up the program to USB and SD Card in a folder called **\SPS500\BACKUP\customer name** – as entered.
Restore	This restores program or report data. **Program data** The program data is restored from - \SPS500\BACKUP\customer name **Report Data** Previously saved reports can be restored to the memory of the SPS-500. Report saving is advised whenever service activity or updates are required on installed ECRs.
Save Report	This saves reports to the SD card. All reports are saved simultaneously. Each report is saved in .rpt format. Reports are stored to **Sps500/backup/store name/REP**_mmddyyyy (000000 if no storename used) Multiple stores and multiple report dates can be stored on the device.

Table Planner

The register allows graphical representation of the table tracking situation. It is possible to design five floors utilising any of the four check files. These floors can be named to identify the areas within an establishment, and designed with a selection of shapes to represent the layout. This would for example allow floor one to act as a bar table layout, whilst floor two to act as a restaurant layout, with each terminal having the option of a default floor

Note :- This layout is display in register position using a Table Display function key

Table Layout design

Floor	There are up to five floors available Press the **Floor** button to ensure the table designer is ready to operate on the correct floor plan. The default floor number can be set in S mode - system options.
Floor Info	The floors can be named i.e Restaurant, Bar etc
New Table	To add the tables select the **New Table** button and enter the appropriate check number and check tracking file number to auto create a table in the centre of the screen
Tabular Form	Used to create tables en-mass in a grid format using, row and column entries The height, width and tracking file number are entered and a sequential grid matrix is created. The same Check File – Check number, cannot be allocated more than once
Location	The newly created table can be located in the desired position, using the **Location** keys **U, L, R, D** or alternatively using the **Move** button which when pressed allows the new table position to be pressed on-screen
Edit Table	This allows editing of the table number and check tracking file number
Del Table & Del All	This allows deletion of tables from a floor plan
Table Shape & Background	Used to change table shape, colour and background colour (see customising)

Table Planner

Customising Table Shapes, Colours and Sizes

For each type of table shape and design, three images can be created, one for the colour of the **empty** table, one for the **open** table, and one for the table printed on billing terminal, as per the sizes shown.

The files are placed on the FAT32 formatted SD card or USB in folder named **\Image\StoreName**
(00000 used if no store name)

The images are loaded within Screen Designer, using the Image icon, Copy option. This will load the files from the SD/USB into the image list for selection to key

Examples

Reason/ Filename	Empty table – Colour 1 TableshapeX_1.gif where X=1 to 7		Open Table – Colour 2 TableshapeX_1.gif where X=1 to 7		Printed Table – Colour 3 TableshapeX_1.gif where X=1 to 7	
Example Size 1		77 x 57 Pixels tableshape1_1.gif		77x57 Pixels tableshape1_2.gif		77x57 Pixels tableshape1_3.gif
Example Size 2		75 x 75 Pixels tableshape2_1.gif		75 x 75 Pixels tableshape2_2.gif		75 x 75 Pixels tableshape2_3.gif
Example Size 3		77 x 117 Pixels tableshape3_1.gif		77 x 117 Pixels tableshape3_2.gif		77 x 117 Pixels tableshape3_3.gif

The following alternative pixel sizes, can be utilised as table shapes if required.

117 x 57 Pixels	**157 x 57 Pixels**	**115 x 115 Pixels**	**77 x 157 Pixels**

Table Screen Backgrounds.

Table planner backgrounds can be designed in Microsoft Paint or likewise as an 80 x 80 pixel file named **Tableback_x.jpg** (where X is a number between 1 and 8). This image will be displayed tiled on the screen.

The files are placed on the FAT32 formatted SD card or USB in folder named **\Image\StoreName**
(00000 used if no store name)

The images are loaded within Screen Designer, using the Image icon, Copy option. This will load the files from the SD/USB into the image list for selection to key

The Screen setting will then be changed to **Display Background image**

Orderman

The Orderman handheld, operates as an order pad, allowing tables to be entered, products to be sold and payment to be taken. The following outlines how to configure the register products to interact with the Orderman. For specific peripheral setup please refer to the separate Orderman manual.

The following features are available for creating on the register, and operation on the Orderman unit.

Note :- Any changes made on the ECR should be updated to the Orderman unit, within the **Setup, System menu** option (password **2545**) select **Update Database.**

Then select **Yes for all** or **No for PLUs only**, and the Orderman will updated once powered off and on with the products, groups etc.

For formatting of the units keypad etc, refer to the specific Orderman manual
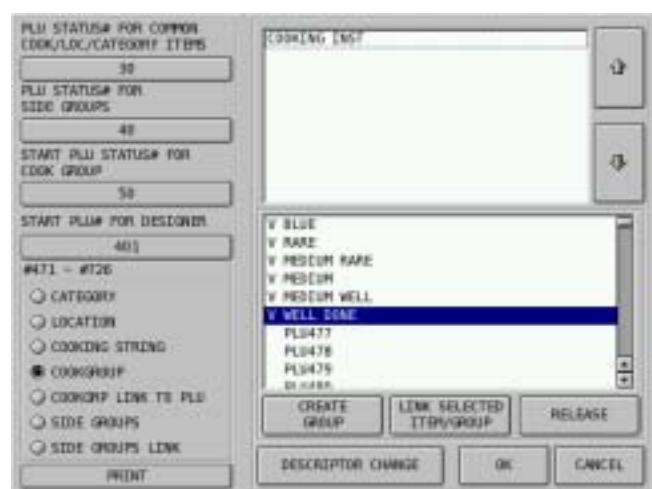
PLU status# for common cook/loc/ category items.	Enter a Status Group to be used for Categories, Locations and Cooking Strings. – *This will automatically set the PLU Status Group option 12 – PLU IS MEMO = YES.*
PLU status# for side groups	Enter a Status Group to be used for Side Group Items. *This* will automatically *set the PLU Status Group option 5 – IS PLU CONDIMENT = YES.*
Start PLU status# for cook group	Enter a Status Group to be used for Cook Group Items. The PLUs within this group will be treated as alpha text New Cook Groups will increment using this number to the next available status group for new Cook Group Item.
Start PLU# for designer	Enter a starting PLU number outside the range of saleable items and below 1000. It is recommended 501– 826 all of which should be created.

Void allowed	This prevents voids on the handheld, done by cursoring down over quantity
Split bill available	The split bill function on the fast keys (under the display area) can be disabled.
Table transfer allowed	The down arrow menu available in open orders has a table transfer option. This function is used to enabled or disable the table transfer feature.
Discount available	This prevents the discount icon on the Bill payment submenu.
Table list for only one clerk	This allows either only the clerks' own checks to be displayed (yes) or all clerks' open checks to be shown (no)
Init with no seat	By default seat one is assigned to products, set to Yes so no seat is set

Orderman

Categories	Are used to allow a selection of a memo text PLU within an open table prior to selling an item. I.e. Starters, Mains, Desserts etc. Categories are predefined as: - 20 PLUs are allocated - Automatically linked to the PLU Status Group set to PLU STATUS# FOR COMMON / COOK / LOC/ CATEGORY ITEMS. The Status Group to be used for Categories is automatically set with option 12 – PLU IS MEMO = YES Categories can be named by selecting the Location button, the item from the top screen area, and choosing the descriptor change icon.
Location	One location item can be allocated to one Orderman so that the name of the unit is printed on kitchen orders for informational purposes. I.e. Restaurant, Bar, Terrace etc. Locations are predefined as: - 50 PLUs are allocated - Automatically linked to the PLU Status Group set to PLU STATUS# FOR COMMON / COOK / LOC / CATEGORY ITEMS. - The Status Group to be used for Locations is automatically set with the Status Group option 12 – PLU is Memo = YES Locations can be named by selecting the Location button, the item from the top screen area, and choosing the descriptor change icon.
Cooking Strings	The Cook Groups prompt for kitchen instructions after the sale of a PLU. I.e. A Cook Group called How Cooked, contains Rare, Medium, Well Done etc. linked to Steak PLU for prompting when sold. Cook Groups are predefined as: - 100+ PLUs are allocated. E.g. 401-1000 - Automatically linked to the PLU Status Group set to START PLU STATUS# FOR COOK GROUP. - The PLUs sold will be registered as alpha text Cook Strings can be named by selecting the Strings button, the item from the top screen area, and choosing the descriptor change icon.
Side Groups	The Side Groups are used to prompt for optional extras (either chargeable or zero priced) after the sale of a product I.e. Extra Sauces, containing Blue Cheese, Peppercorn etc. linked to Sirloin Steak PLU for prompting when sold. Side Groups are predefined as: - Linked to any saleable PLU in the system for messaging and auto-prompting after sale. - Automatically linked to the PLU Status Group set to START PLU STATUS# FOR SIDE GROUPS - The PLUs sold will be registered as Condiment PLUs. Side Groups can be named by selecting the Side Group button, the item from the top screen area, and choosing the descriptor change icon. Items can be added to Side groups by selecting the Add Side group items button, selecting the PLU from the list to be added, and if required using the descriptor change to name the item
Cook Groups	The Cook Groups are used to prompt for kitchen instructions after the sale of a PLU. I.e. A Cook Group called How Cooked, contains Rare, Medium, Well Done etc. linked to Steak PLU for prompting when sold. Cook Groups are predefined as: - 100+ PLUs are allocated. - Automatically linked to the PLU Status Group set to START PLU STATUS# FOR COOK GROUP. - The PLUs sold will be registered as alpha text Cook Groups can be named by selecting the Cook Group button, the item from the top screen area, and choosing the descriptor change icon. Items can be added to Cooked Groups by selecting the Cook Grp Link to PLU button, selecting the PLU from the list to be added i.e. Steak. Then from the bottom screen highlight the Cook group to be linked to the PLU and select Link Selected Item / Group

Program Mode

PLU Add and Change

During PLU Programming, each PLU is assigned a descriptor, price or prices and other unique options. The remainder of the PLU options are determined by linking the individual PLU to a PLU Status Group.

The PLU Status Group contains all of the detailed programming option selections that might be assigned to a product. Separate PLU Status Groups are defined to accommodate the needs of groups of PLU's.

Note:- Simple grid edit within PLU Quick Create can be used to edit the products in addition to the following full edit method.

PLUs can be selected for editing using the following methods.

- Press Screen, then item
- top **Main Screen** icon enter Screen No, (also Page up/down) then select item **or**,
- Search name,
- Scan EAN8/13
- Enter PLU No, and press **OK**
- Press the item on the keyboard

PLUs set as keyboard defaults		Keyboard 3	PLU 321 to 440
Keyboard 1	PLU 1 to 120	Keyboard 4	PLU 481 to 600
Keyboard 2	PLU 161 to 280	Keyboard 5	PLU 641 to 760

PLU Add and Change

Description	This is the name of the saleable item, which will appear on receipts and reports.
Stock Link PLU	This is the PLU number from which the stock will be reduce, if this was for example a Half Pint PLU, the likely stock link would be the PLU code for the Pint.
Modifier Qty	This works in conjunction with the stock link PLU flag determining how many units are to be reduced from the main stock item. The field consists of two decimal places for example 50 would result in 0.50 being reduced from the stock of the item program within the stock link PLU field.
Group Link #1	This field is used to provide the first type of sales analysis by category i.e. Beer, Lagers, this group is used for the sort by group printing of receipts and order printers.
PLU Status Group Link#	This is the programming for the status group link. Providing an en-masse program for common system flags
Piece Count	This is the number of units to be used from a product mix group. This field is then set to 2, so that for each item sold 2 burgers out of a case of 12 are recorded For example a jumbo burger, requires 2 units of the Burger bought by the Dozen product mix group
Product Mix	This is the group link by which the piece count controls the usage. The group stores the units per outer information i.e. 12 burgers in a dozen.
Recipe	This links to the ingredient inventory. When the product is sold, the quantities of each ingredient used are subtracted from stock for the allocated recipe and the appropriate sub recipes.
Mix And Match Table # (Promotion Table #)	This is the promotion discount table, when the product or a mix of products, allocated to the same table are sold the appropriate discount information from the mix and match table will be subtracted.
Print Nv Image	The external receipt print can store images or have images sent to it from the register. These images can then be printed every time a product is sold. The image number is allocated for a PLU Status group, applying this image to all products in that group where print NV image is set to Y
Inactive	This prevents the product from being sold, without deleting, therefore still retaining accumulated product sales
Preset	This determines whether the product is a pre-set or open price.
Allow Price Change	This allows you to change the price of a PLU when using the Price Change button.
Allow Preset/Halo Override	This allows the operator to either manually enter over a pre-set priced item or to override a maximum sale limit. This works per PLU, with each product having individual restriction. If global restriction is required change the setting in systems options.
Screen Link	This function allows the user to link a screen to a PLU so that when the PLU is pressed the chosen screen is displayed.

PLU Add and Change

Price/Halo 1 - 5	This is either the pre-set price of an item, or the maximum sale amount of an open product.
Price Level 1 - 5	This is the price level, for each product .There are five different prices per product, with up to twenty price levels available to be allocated. This allows the user to create a matrix of PLU's and Prices each accessed by one of the twenty price keys.
	A product price level sales report is available showing the total quantity and value sold per price and overall per product also a total for each price. When the price key is priced the product is then checked to determine if that price level (1-20) exists in any one of the five prices available. The default memory allocation is 4 prices per product.

PLU Delete

It is possible to delete a product which has no stock or sales totalisers. PLUs can be selected for editing using the following methods.

- Press Screen, then item
- Top Screen icon enter Screen No, (also Page up/down) then select item
- Search name,
- Scan EAN8/13
- Enter PLU No and press OK
- Press the item on the keyboard

PLU Quick Create

The **PLU Quick Create** menu provides a fast and efficient method of *Auto Screen Creation* based on *Groups.* This option creates a range of screens for each group with PLUs automatically allocated as per the format

The top 2 lines show the groups which have been allocated screen numbers within the PLU Quick create. 6 Groups are shown on each screen, with Navigation keys

Each of the Group Screen buttons when pressed will show the associated PLU screens.

Example Register Screen.

Group Selectors

The Groups, the products are linked to are displayed here.

PLU Items

The products related to the group are display for sale

Navigation keys

Used to move between the groups.

The PLU icon can be selected to show the PLU by grid edit screen

The **PLU** icon accesses the Quick program screen. All of the fields shown, are taken from the PLU Add & Change edit screen, shown in a grid for easy edit.

Selecting a PLU by pressing the box, allows the top icons **Add,** and **Del** to be used to fully edit or delete an item. In addition the **STS Group** icon will access the full PLU status Group Screen.

PLU#
This is the product code, for the item.

Descriptor
This is the name printed on receipts and bills

Group#
This is group printed on sales reports

STS Group
This is the PLU Status group used to globally set program options for multiple items.

Price
This is the price 1 of the item.

Group #
This is the sequential group number, as used for editing in the Group menu option

Note as standard all PLU's are linked to group 1, therefore and unless changed blank PLUs will appear in this group screen. Alternatively leave group 1 without a screen number.

Descriptor
This is the name printed on receipts and reports

Add to Ttl
This controls if the Group sales are included in the final group report total

Screen Number
Each Group is given a screen number in multiples of 5 i.e. 105, 110, 115 etc.

Make Menu
When this icon is pressed this creates 5 screens per group with the PLUs linked.

PLU Status Groups

PLU Status Groups allow memory to be used more efficiently. In most applications, large groups of PLU's are set with many identical options, while the PLU number, descriptor and price are unique.
On the PLU Programming each PLU is assigned a descriptor, price or prices and a other unique options. The remainder, of the PLU options are determined by linking the individual PLU to a PLU Status Group. The PLU Status Group contains all of the detailed programming selections that might be assigned to an individual PLU. Separate PLU Status Groups can be set up to for the needs of groups of PLU's.

Descriptor	This is the name of the group. These groups are not used for reporting, or totalising therefore this name is for reference only
Taxable By Rates	This applies the selected pre-programmed tax rate to this item
Group Link #2	This field is used to provide the second sales analysis by category i.e. Draught Beers etc.
Group Link #3	This field is used to provide the third sales analysis by category i.e. Wet, Dry sales etc.
Are PLU's In This Group Active	This will disable the sale of a product. Ideal when totalisers are still being stored
Is PLU A Condiment	A condiment is associated to a product, For Example as a Cooking Instruction, such as Rare, Medium Well Done, or as a chargeable item, Blue Cheese, or BBQ Sauce. The condiments follow the PLU kitchen printer links, and are printed highlighted on the order.
Compulsory Condiment	This forces the entry of a condiment after the sale of an item, i.e. a steak may require cooking instructions to be entered immediately. This would be set to the normal PLU ensuring a condiment PLU is pressed directly after the sale.
Is PLU Single Item	This feature automatically finalises the sale when this product is sold, assuming a cash payment
Is PLU Negative	This permanently changes the retail price of the item to a negative sale

PLU Status Groups

Is PLU Hash (Non Add)	This allows the sales quantity and values of an item to be treated differently; these are not added to the same financial totals as ordinary products. The totalisers to which the information is added are control by system programming, it will be required that you set these system options according to the specifications for your items. A H is shown alongside the PLU on the PLU trading report to indicate the item is a HASH PLU (providing the PLU HASH option is set to include sales on the PLU report)
Does PLU Use Gallonage	Gallonage PLU's must be set as open PLU's. The PRICE/HALO must be set as the price per gallon (the price is set at three decimal places (£1.299) Gallonage PLU's will report the gallons sold in the activity counter on the PLU report by dividing the PLU total by the price per gallon.
Is PLU Memo	This enables all PLU information to be printed, but not calculated to totalisers, i.e. a description print
Is PLU Scaleable	This allows the product to be a weighted item, and register the weight programmed. – (Check UK availability)
Auto Scale On This PLU	If Y, is entered, registrations of PLU's linked to this group will automatically multiply by the weight placed upon a scale connected to the register. (peripheral options dependant) - (Check UK availability)
Auto Tare# (0 - 20)	Used to set the package weight of the scaleable product. - (Check UK availability)
Stock PLU	Is this product to be included in the stock taking ? i.e. will stock deliveries be entered for this product.
Link PLU#	When a PLU in this status group is sold, the PLU that is linked is also sold.
Negative Inventory	This converts the positive stock entered for ingredients into negative totals.
Allow Promo	Is this product available for promotion sales using the Promo function key?
Allow Waste	Is this product allowed to register stock wastage totals entered by the operator?
Allow Discount	This controls whether a product is included for a monetary for percent discount
Allow Surcharge	This controls whether a product is included when a monetary for percent premium
Is Non Add# Compulsory	This forces the operator to enter a reference number after the sale of this product

PLU Status Groups

Print On KV	This determines whether the product is printed on the Kitchen Video display
Kitchen Video Group #	This is the kitchen video group that the PLU is linked to.
Colour To Display On Kv (0-31)	This is the colour in which the information is to be displayed on the Video
Print On KP	If this is set to Y the item is available for print on up to 9 printer groups.
Print On KP Group 1 - 9	This is the group for the items to be printed on the kitchen printer. For example all bar items may be in group 1 and the food in group 2. The kitchen printer set-up will then determine which physical printer prints, which group at which times.
Print Red On Kitchen Printers	Print products on the order in red. This is designed for Red/Black Printers, a thermal printer will invert
Print Red On Receipt	Print products on the receipt in red. This is designed for Red/Black Printers, a thermal printer will invert
Print On Receipt	This controls the product printing on the receipt, a priced item with no price printing will still be included in the sale total.
Print On Journal	This controls whether the product prints on the journal printer
Display On Register Screen	This controls whether the product prints on the main register display.
Print On Guest Checks	This controls the product printing on the bill, a priced item which will still be included in the sale total.
Print Price On Guest Checks	This controls whether the product's retail price prints on the check bill, is to be included in total
Print Price On Receipt/Detail	This controls whether the product retail price prints on the receipt and detail journal printers
Auto Grill	Items may be programmed as AUTO GRILL this ensures the item is sent to the printer immediately
Auto Grill Group #	This is the print group to be allocated to the printer programming to control where the item is printed, when flagged as an auto grill item.
Cooking Item ?	There is a system flag which allows a special order ticket to be printed including any PLU's flagged as cooking item. This is printed in addition to the normal Kitchen stub and provides an additional ticket showing only the required items.
Linked NV Image #	The external receipt print can store images or have images sent to it from the register. These images can then be printed every time a product is sold. The image number is allocated for a PLU Status group, applying this image to all products in that group where Print NV image is set to Y on the PLU

PLU Stock

PLU stock is a simple inventory system where each whole unit PLU activity subtracts a value of "1" from the stock counter. (PLU stock applies only to PLU's set in PLU status group as stock PLU? – Yes)

The quantity modifier and stock link PLU programming can be used to link together two products so stock is reduced from one item with decimal quantity reduction if required.

This menu option can be restricted to a specific employee using the authority levels.

It is also possible to display the current stock level on the button using the General Function Option, Show Real time stock on KBD, as a screen is opened the consolidate stock for the network is displayed.

Example

Stock on Screen button display

Add	This adds to the existing stock figures. For example, deliveries transfers in etc..
Subtract	This subtracts from the existing stock figures, For example, returns, transfers out
Overwrite	This overwrites the existing stock figures. For example, beginning inventory etc.

PLU Minimum Stock

It is possible to enter a Minimum stock level for any product set as a Stock item. The register has General function System Options which allow the restriction of the sale of stock items such as :-

- Allow Sales for 0 Stock items
- Allow Sales under minimum Stock

Non PLU Price Inclusive Codes

The NON-PLU Code program must be set if you wish to scan UPCs (using the EAN 13 code) with embedded prices, weights or quantities.

Within the EAN 13 code, the first two digits (part a) are used as an identifier and the last digit (part c) is used as a check digit. The remaining 10 digits (part b) contain the Item code and price (or weight or quantity).

021234500250

a) identifier

c) check digit

b) product code & price
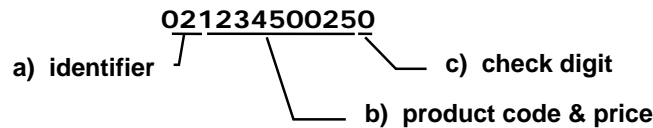
There are 11 identifier numbers available for non-PLU code programming: "02" and "20" through "29". The purpose of this program is to define the format of the 10 digit part b for each possible identifier. For example:

The structure of Non PLU identifier "02" can be defined to use 5 digits for the product code and 5 digits for the price, and then the structure of Non PLU identifier "20" can be defined to use 6 digits for the product code and 4 digits for the price.

PLU#02 PLU#20 Etc..	This is the format type of the barcode, within this section the barcode layout is defined. The first two digits of the barcode define the barcode type
Length Of Field 1 (=PLU Code)	The digits immediately following the two digit barcode definition are the manufacturer s product code, this will be the PLU code for the item. This can change in length depending on the manufacturer. It is necessary to define how many digits are to be used for this format type
Length Of Field 2	This is usually the price field although there are alternatives. The length of this field can vary for different barcode types. The length is defined in this field
Content Of Field 2	This defines the content of field two the norm is the price
Use Price Check Digit?	Some barcode formats use a check digit to ensure the price of the product has been included within the barcode correctly. It must be determined which method is used and programmed in this field
Tab Or Decimal Point Of Field 2	This is used to determine the number of decimal places for the price of the Item

PLU Verify

This checks the PLUs to ensure no erroneous links have been made, due to incorrect data transfer from PC or USB. I.e A PLU has been linked to mix and match 200, when only 50 are in the system. The following PLU links are checked.

- Stock Link PLU
- Modifier Quantity
- Group
- PLU Status Group

- Piece Count
- Product Mix
- Mix and Match
- Screen List

Barcode Format

The Register can produce Barcode Labels on the internal printer or a thermal printer that is physically connected to the register. There are 20 possible print formats used to control height, width etc. The labels can be printed from the PLU program menu, using an optionally displayed print barcode icon.

- In order to display the **PRINT BARCODE** icon on the PLU edit screen, set **PGM Mode** - **System Options** - **General Printing Options** - **39. Enable Barcode Printing** to **YES**

- The 20 barcode formats can be preset with the following print options from the **PGM Mode** - **PLU** – **Self-Print Barcode Format** option.

- Program a valid EAN 8 or 13 barcode as normal. In the PLU program screen press the **PRINT BARCODE** Icon, and select the format (if no sizes have been set). The number of labels required for print is then entered.
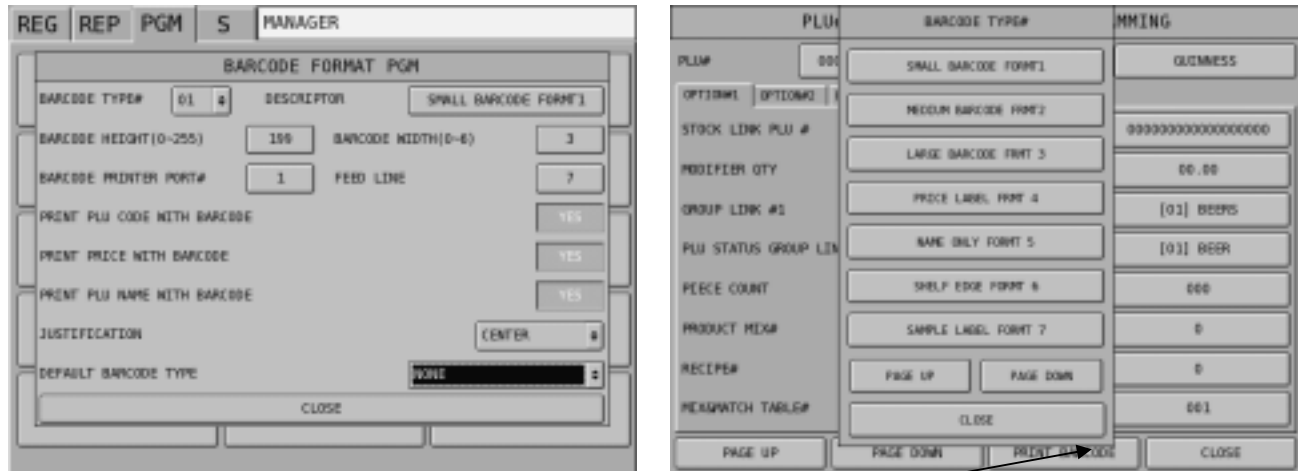
PLU Edit Screen with Print Barcode Icon enabled.

Barcode Type#	The Print Format No. 1–20
Barcode Height 0-255	Height from 1 to 255 max
Barcode Printer Port	Port of the barcode printer
Print PLU Code	This prints the PLU number
Print PLU Name	This prints the PLU Name
Default Type	Where only one barcode type is to be used the type can be set as default for speed of printing. The register will not then prompt to select from 20 different formats.
Descriptor	Format Name for user selection
Barcode Width 0-6	6 max for EAN8 - 4 max for EAN13
Feed Line	Header Feed lines before printing
Print Price	This prints the PLU price
Justification	Print barcode Left/Right/Centre

Group

Groups are designated to accumulate PLU sales for reporting analysis. A PLU can store sales information in up to 3 groups, each of the groups linked are named in this file.

For Example, Group 1 linked in the PLU file GROUP#1 may be Starters, Mains etc.
Group 51 linked in the PLU Status group GROUP#2 field may be Food etc.
Group 99 linked in the PLU Status group GROUP#3 filed may be Total sales.

Add To Group Totals	This determines if the total sales for this category are to be included in the total of all group sales on the read and reset analysis reports. It requires that only one of the three group that a PLU is linked to is included in the group totals otherwise the figures will be inaccurate.	
Taxable By Rate For Analysis 2	If this option is set when the destination 2 function key is used in REG mode the taxable status of the item no longer follows the normal PLU tax rate but is taxed at the rate programmed to this field	

Function Key Edit

The functions keys shown below are explained in the following pages.

1	1	101	DESTINATION 1	177	PRICE LEVEL 8	253	NEW CHECK 3
2	2	102	DESTINATION 2	178	PRICE LEVEL 9	254	NEW CHECK 4
3	3	103	DESTINATION 3	179	PRICE LEVEL 10	256	PRICE CHANGE
4	4	104	DESTINATION 4	180	PRICE LEVEL 11	257	CASH W/DRAW
5	5	105	DESTINATION 5	181	PRICE LEVEL 12	268	PREV. SCREEN
6	6	106	DESTINATION 6	182	PRICE LEVEL 13	269	NEXT SCREEN
7	7	107	DESTINATION 7	183	PRICE LEVEL 14		
8	8	108	DESTINATION 8	184	PRICE LEVEL 15		
9	9	109	DESTINATION 9	186	PRICE LEVEL 17		
10	0	110	DESTINATION 10	187	PRICE LEVEL 18		
11	00	117	MACRO #	188	PRICE LEVEL 19	401	MACRO 1
12	000	118	MDSE RETURN	189	PRICE LEVEL 20	402	MACRO 2
13	ADD CHECK	119	MISC TEND 1	190	PRINT	403	MACRO 3
16	CANCEL	120	MISC TEND 2	191	PRINT CHECK	404	MACRO 4
18	CASH	121	MISC TEND 3	193	PROMO	:	:
21	CHEQUE	122	MISC TEND 4	195	QUIT	498	MACRO 98
22	CHEQ CASH	123	MISC TEND 5	196	RCPT ON/OFF		
24	CLEAR	124	MISC TEND 6	197	RECALL CHECK 1		
25	CONTINUE	125	MISC TEND 7	198	RECALL CHECK 2		
26	CURR CONV 1	126	MISC TEND 8	199	RECALL CHECK 3		
27	CURR CONV 2	127	MISC TEND 9	200	RECALL CHECK 4		
28	CURR CONV 3	128	MISC TEND 10	201	RECD ACCT 1		
29	CURR CONV 4	129	MISC TEND 11	202	RECD ACCT 2		
30	CURR CONV 5	130	MISC TEND 12	203	RECD ACCT 3		
33	TABLE DSP	131	MISC TEND 13	204	RECD ACCT 4		
35	DECIMAL	132	MISC TEND 14	205	RECD ACCT 5		
36	REPORT	133	MISC TEND 15	206	RECEIPT		
37	DONE	134	MISC TEND 16	207	REPEAT		
40	EMPLOYEE	135	MISC TEND #	208	SCALE		
41	EMPLOYEE 1	136	MODIFIER 1	209	SEAT		
42	EMPLOYEE 2	137	MODIFIER 2	211	SPLIT ITEM		
43	EMPLOYEE 3	138	MODIFIER 3	212	SPLIT PAY		
44	EMPLOYEE 4	139	MODIFIER 4	213	STOCK INQ		
45	EMPLOYEE 5	140	MODIFIER 5	214	STORE CHECK 1		
46	EMPLOYEE 6	141	MODIFIER 6	215	STORE CHECK 2		
47	EMPLOYEE 7	142	MODIFIER 7	216	STORE CHECK 3		
48	EMPLOYEE 8	143	MODIFIER 8	217	STORE CHECK 4		
49	EMPLOYEE 9	144	MODIFIER 9	218	SUBTOTAL		
50	EMPLOYEE 10	145	MODIFIER 10	219	TABLE 1		
52	ERR CORRECT	147	#/NO SALE	220	TABLE 2		
53	FD/S SHIFT	148	P/BAL	221	TABLE 3		
54	FD/S SUBTL	149	N/A	222	TABLE 4		
55	FD/S TEND	150	N/A	224	TAX EXEMPT		
56	GUEST #	151	PAID OUT 1	225	TAX SHIFT 1		
58	INACTIVE	152	PAID OUT 2	226	TAX SHIFT 2		
59	KEY LEVEL 1	153	PAID OUT 3	227	TAX SHIFT 3		
60	KEY LEVEL 2	154	PAID OUT 4	228	TAX SHIFT 4		
61	KEY LEVEL 3	155	PAID OUT 5	229	TAX SHIFT 5		
62	KEY LEVEL 4	156	E.J. RECALL	230	TAX SHIFT 6		
63	KEY LEVEL 5	157	% 1	231	CLK IN/OUT		
64	LIST CHECK 1	158	% 2	232	TIP 1		
65	LIST CHECK 2	159	% 3	233	TIP 2		
66	LIST CHECK 3	160	% 4	234	TIP 3		
67	LIST CHECK 4	161	% 5	235	TRANS CHK1		
69	DELIVERY	162	% 6	236	TRANS CHK2		
72	DELIVERY LIST	163	% 7	237	TRANS CHK3		
78	N/A	164	% 8	238	TRANS CHK4		
79	NEXT DOLLAR	165	% 9	239	TRAY SUBTOTAL		
80	SHIFT CHANGE	166	%10	241	VOID ITEM		
90	ENTER	167	PLU	242	WASTE		
91	CURSOR DOWN	169	PRICE INQ	243	FUNC. LIST#		
92	CURSOR UP	170	PRICE LEVEL 1	244	X/TIME		
93	CURSOR LEFT	171	PRICE LEVEL 2	245	N/A		
94	CURSOR RIGHT	172	PRICE LEVEL 3	248	KP ROUTING		
95	PAGE DOWN	173	PRICE LEVEL 4	249	SPLIT CHECK		
96	PAGE UP	174	PRICE LEVEL 5	250	ALPHA TEXT		
97	NEXT RECORD	175	PRICE LEVEL 6	251	NEW CHECK 1		
98	PREV. RECORD	176	PRICE LEVEL 7	252	NEW CHECK 2		

Function Key Listing

Function key options vary per key. Each feature is explained in the following pages.

ADD CHECK	Used to add multiple guest checks (soft checks) for payment together or to add checks between different tracking files, or to move one check to another.
Manager Required	This forces sign on of a management user, or manager password entry.

CANCEL	Press cancel to abort a transaction in progress. All current items are removed
Halo (0 No Limit)	This is the maximum sale amount for this key
Manager Required	This forces sign on of a management user, or manager password entry
Print On Receipt	This controls whether cancelled transactions will be printed.
Compulsory Reason	This forces the entry of a reason for reporting of key usage.

CASH	Used to finalise or tender cash sales. Change is computed when the amount of the cash tender is greater than the amount of the sale. The optional system flag can be set to allow change calculation on a sale that is finalised using the post tender system flag
Halo (0 No Limit)	This is the maximum sale amount for this key
Exempt Tax	This allows each tax rate to be excluded from the sale calculation
Open Drawer	This controls whether the cash drawer will open.
Amount Tender Compulsory	This forces the entry of monies given for change
Disable Under Tendering	This prohibits partial tender i.e. Value lower than sale
Manager Required For Under Tendering	This forces the user or a Manager to sign on for partial tender, or a Manager password to be entered.

CHEQUE	Use this key to finalise or tender cheque sales. Change is computed when the amount of the cheque tender is greater than the amount of the sale, for cash back etc…
Halo (0: No Limit)	This is the maximum sale amount for this key
Exempt Tax	This allows each tax rate to be excluded from the sale calculation
Open Drawer	This controls whether the cash drawer will open.
Amount Tender Compulsory	This forces the entry of moneys given for change
Disable Under Tendering	This prohibits partial tender i.e. Value lower than sale
Manager Required For Under Tendering	This forces a Manager to sign on for partial tender, or a Manager password to be entered.
Non Add# Entry Compulsory	This forces the operator to enter a reference number
Halo Y=Change N=Tender	The maximum value can apply either to the sale amount tendered or to the change given

Function Key Listing

CLEAR	Press CLEAR to clear numeric entries or error conditions

CHEQUE CASHING	Use the Cheque Cashing key to exchange a cheque for cash.
Halo (0 No Limit)	This is the maximum sale amount for this key
Manager Required	This forces sign on of a management user
Manager Required for HALO	Requires a Manager password or clerk for values over the HALO limit.

CURR CONV 1 - 5	Used to convert and display the value of the transaction in foreign currency. This works also for Euro dual totals in-conjunction with system printing flags. It is assumed currency one is the Euro rate
Rate	This is the current exchange rate
Change In Foreign Currency	This determines whether change is given in the local currency or in the same currency by as the sale was paid.
Decimal Point	This is the number of decimal places for the exchange rate
Change In Foreign Currency	This determines whether change is given in the local currency or in the same currency by which the sale was paid.

TABLE DSP	This displays the table layout for opening and managing guest checks

DONE	This closes the current screen display and returns to the main menu

DESTINATION 1 to 10	This key is used to record sales totals providing analysis on both the financial report and special hourly sales analysis report
Exempt Tax	This allows each tax rate to be excluded from the calculation
KP Period Override	This changes the area in which the item is printed from the normal programmed route to one of the 4 pre-programmed kitchen printer periods
Price Level 1 to 20	The destination key can switch to the selected price level when pressed.

EMPLOYEE # (CASHIER)	The employee number key is used to sign on an employee who is starting registration.

EMPLOYEE 1- 10	The employee key can be programmed to sign on a specific cashier when pressed directly without entering a code, the employee 1 - 10 keys can be used for this purpose. These keys are used for Push Button clerk entry. The employee number to be allocated to this key is set in P-Mode, system options programming

ERR CORRECT	Press error correct immediately after an item to remove that item from the sale total.
Manager Required	This forces sign on of a management user, or manager password entry
Compulsory Reason	This forces the entry of a reason for reporting of key usage.

FD/S	Food Stamps are a USA method of Tendering via coupons, with F/S determine if an item is food stampable. FD/S Subtotal, shows only the total of food stamp items, and the FD/S Tender for taking monies in coupons.

INACTIVE	The inactive function key can be re-used as many times as necessary to inactivate key locations

Function Key Listing

LIST CHECK 1 – 4	Press the List Check key to display a list of open checks, for each of the four tracking files.
Manager Required	This forces sign on of a management user, or manager password entry

KEYBD LVL1	There are five keyboard level keys used for switch between different keyboard designs.
Manager Required	This forces sign on of a management user

GUEST #	Used to record the number of guests served by a transaction. The entry may be compulsory; the entry set to print on orders, or receipts.
Comp After Beginning Of Check	This forces guest entry when a check is opened
Compulsory For All Sales	This forces guest entry at all times
Print On KP (Kitchen Printer)	This prints the number of guests on kitchen order
Print On Receipt	This prints the number of guests on the receipt

DELIVERY	This opens a check file, and prompts for the customer details. How many customers can be stored is set in memory, and which check file is used can be set within the service system options menu.

DELIVERY LIST	When pressed this shows open or closed delivery numbers in a window for check recall.

MACRO # - CODE	Used to execute one of forty possible macros by entering the macro number and pressing the macro code entry key.

MDSE RETURN	Use to remove items from the sales totals within or outside of a transaction.
Halo (0 No Limit)	This is the maximum sale amount for this key
Manager Required	This forces sign on of a management user
Add To Net Grand Total	This adds instead of subtracting to the NET grand totals
Skip Adjustment Of PLU Total	The key, as standard, subtracts the refunded items from the PLU totals this prevents that happening
Compulsory Reason	This forces a reason entry for reporting of the key usage.

MISC TEND #	Used to access by code any one of the 16 MISC TEND keys used to finalise or tender sales paid by various charges or other media. Tendering may or may not be allowed depending upon programming

MISC TEND 1 – 16	Use a MISC TEND key to finalise or tender sales paid by various charges or other media. Tendering may or may not be allowed depending upon programming.
Halo (0 - No Limit)	This is the maximum sale amount for this key
Exempt Tax	This allows each tax rate to be excluded from the sale calculation
Open Drawer	This controls whether the cash drawer will open.
Amount Tender Compulsory	This forces the entry of monies given for change
Manager Required For Under Tendering	This forces a manager sign on or password entry for under tendering of the sale value.
Non Add# Entry Compulsory	This forces the operator to enter a reference number
Allow Over Tender	This allows an amount greater than the sales total to be entered for change
Disable under Tendering	This prevents the entering of an amount less than the sale total

Function Key Listing

MODIFIER 1 - 10	Preceding a PLU entry a modifier key changes one digit of the PLU number, causing a different PLU to be registered. MODIFIER keys can be set to change either the item code or the description only. This can be used to build up a code number system with various modifiers working together to sell a complied code. For example if MODIFIER 1 is set to change the 4th digit of the PLU by 4 and MODIFIER 2 is set to change the 3rd digit by 5 pressing MODIFIER 1 then MODIFIER 2 followed by PLU 1 would sell code 4501 PLU 2 would become 4502 etc.. There are relevant system options which can be changed to control how modifier keys operate.
Manager Required	This forces sign on of a management user
Modify Descriptor	This changes the description of the product but not the code
Print Descriptor On Receipt	The modifier key description is prevented from being printed on a customer receipt.
Print Descriptor On Check	The modifier key description is prevented from being printed on a check tracking bill
Print On KP Descriptor	This determines whether the descriptor is printed on the Kitchen order
Affect Digit Of PLU#	The digits of the PLU code can be modified by the next field i.e. 3
Value Of Digit To Be Added	This is the number 0-9 by which the selected digit is to be changed i.e. 3 affected by value 2 means 1 = 201 and 2 = 202

PAID OUT 1 – 5	Press a Paid Out key to remove monies from the drawer and deduct from cash in drawer report totals.
Halo (0 - No Limit)	This is the maximum sale amount for this key
Manager Required	This forces sign on of a management clerk or entry of a manager password
Compulsory Reason	This forces a reason entry for reporting of the function key usage.

#/NO SALE	Used to enter a non-adding memo number during a transaction, or used to open the cash drawer.
Non-Add Entry Halo 0-14	This is the maximum digits for the reference number.
Allow No Sale Function	This will enable the operator to open the cash drawer
Allow Non Add Function	This will enable the operator to enter a reference number
Manager Required	This forces sign on of a management user
No sale Inactive After Non Add	Once a reference has been entered it its not possible to do a no sale
Comp at Begin of sale	This forces the operator to enter a reference number before start of sale
Comp Non Add Must Match	The halo is no longer a maximum but a compulsory criteria to be met
Print On Receipt	The no sale will issue a ticket if this flag is turned on.
Compulsory Reason	This forces a reason entry for reporting of the function key usage.

E.J. RECALL	The recall key is used to recall the last number of transactions, where transactions are taken from the Electronic Journal. The RECEIPT key can be used to issue copy receipts
Manager Required	This forces sign on of a management clerk or management password entry.

PLU	Used to sell an item using the products code number rather than pressing a PLU key on the screen.

PRICE ENQUIRE	The product price is displayed on-screen
Manager Required	This forces sign on of a management user
Function is Stay Down/Pop Up	This sets if the price inquire clears after one item or requires the CLEAR

Function Key Listing

PRICE LVEL	There are 20 price level keys, and 5 can be set per product. When the key is pressed the following item is searched to see if any of the 5 price levels match the key Price Level 1 – 20 pressed, if so the item is sold at the preset price
Manager Required	This forces sign on of a management user
Prevent Zero Price Sale	If the matching price is 0.00 this option can restrict sale of the item
Alternative Price Level	If the matching price is 0.00 this option sets an alternative price to sell at.

%1 - %10	Ten discount/Premium keys are available to handle various types of discounts, mark-downs and adjustments to items or transactions.
Halo / Rate	For open keys this is the maximum amount, for fixed percent items it is the rate to be applied
Taxable By Rate 1 - 6	The discount/premium amount can be included within the tax calculation
Function Is Inactive	This allows the items to be prohibited without making the key inactive
Manager Required	This forces sign on of a management user
Function Is Sale / Item	This determines whether the function must be applied to each item or to the whole sale total after subtotal.
Function Is Amount/Percent	This determines whether the function will apply either a monetary or a percent adjustment.
Function Is Plus / Minus	This determines whether the adjustment will be applied as either a discount or addition.
Function Is Open/Preset	This determines the adjustment i.e. a pre-set rate or manual
Allow Preset Override	This enables the operator to manually enter an adjustment even when there is a pre-programmed rate
Manager Required For the pre-Preset Override	This forces use of the Manager to sign on when it is necessary to override programmed amount.
Function Nets Item Total	This reports the values inclusive of the % value I.e. 1.00 – 10% would report 90p
Allow Multiple Sale Coupons	This enables more than one coupon operation per sale.
Allow Discount Per Trans ?	This restricts the operation of discount /premium added at subtotal

PROMO	Press the PROMO key to zero the price (the item remains). This can be used in 2 for 1 promotions. A promo count is available for each item
Manager Required	This forces sign on of a management user
Taxable By Rate 1 - 6	The amount can be included within the tax calculation, relevant if VAT is to be added, to prevent the PLU from being required as a payment.

PRINT CHECK	Used to print a bill for any of the check tracking files from track 1 to 4. The format can be customised if required, with group totals, logos etc.
Print Check On Printer # (0-40)	This is the printer number which will print the check bill.
Print Chck Automatically Service Chk	This will ensure no manual operation of the print check key is required. The check is held after the bill is printed.
Print Consec# On Guest Check	This enables the receipt number to be printed on bill

RECEIPT ON /OFF	This is used to turn the receipt on or off, The receipt can be programmed using system flags to be a continuous receipt with post receipt, or to print only when the post receipt key is pressed.

SPLIT ITEM	When like items are consolidated in a transaction. It is possible to move the cursor to the item and press the SPLIT ITEM key to display the items separately, instead of in consolidated form. This is used with the SEAT key
Manager Required	This forces sign on of a management user or manager password entry.

Function Key Listing

RECD ACCT 1 — 5	Press a RECD ACCT key to add cash, check or miscellaneous media to the drawer totals
Halo (0 - No Limit)	This is the maximum sale amount for this key
Manager Required	This forces sign on of a management user
Compulsory Reason	This forces a reason entry for reporting of the function key usage.

RECEIPT	Press this key to issue a transaction receipt to the set receipt printer
Print "Re-Print" On Receipt	The word re-print can be suppressed on copy receipts.

REPEAT	Use the repeat key to quickly re-order a set of items. The last order for a check can be repeated.
Manager Required	This forces sign on of a management user

RECALL CHECK 1 - 4	The Check Tracking System can maintain only balances (hard checks) or entire transactions (soft checks) in the registers memory. Four different tracking files can be separated to maintain different information for example, restaurant checks, call-in orders, delivery orders, and or table balances. The check number can be entered by the operator or calculated automatically by the system.
Manager Required	This forces sign on of a management user
Enforce Seat#	This makes it compulsory to enter the seat of each person at the table so that if required at finalisation seat separation and split payment can be carried out.
Table Entry Required	This forces the operator to enter a table number
Multiple Checks For Each Table	The table number can also be used to recall open checks.
Guest Count Entry Required	This requests the input of guests when a check is opened
Compulsory For All Sales	This forces the operator to enter a check for every sale
Assigned By Register	The system can work on manually entered check numbers, or can generate it's own sequential number
Opening Employee Has Exclusive Access	The check can be restricted in operation solely to the employee that **started** stored the sale.
Print Check# On Receipt	This prints the check number on the receipt
Print Check# On Journal	This prints the check number on the audit
Print Check# On KP	This prints the check number on the order
Auto Check Management	The sale is made and stored and the check number is automatically generated. Pressing the check key recalls the oldest check ready for finalisation. This can be overwritten by manually entering the check
Print On Guest Check Automatic'	The sale details can be printed automatically when stored
Disable Opening New Check	This forces use of the New Check key for sales to a check that does Not already exist. (The New Check key follows the status of this key)
Length Of Check Digits (0 -10)	The check can have an enforced number of digits.

SEAT#	Used to identify a specific seat (or person) within a transaction. Facilitates separate payment by seat from a single check and identifies to the food preparation staff (through KPs and KVs) how to assemble meals.
Manager Required	This forces sign on of a management user, or password entry
Function Is Pop Up/Stay Down	It is possible to enter seat numbers as the items are being sold. This will allow all items to be allocated to the seat selected unless an alternative seat is entered. I.e. enter seat 2 and sell PLU 1,2,3 all will be allocated to seat 2

Function Key Listing

STOCK INQUIRE	Used to display the current stock situation for a PLU. This will display the total for all the registers
Manager Required	This forces sign on of a management user
Function is: Pop Up/Stay Down	If set to stay down the terminal will stay in inquire mode

TABLE# 1 – 4	This is used for reference as to which table a check is related to, there can be numerous checks per table, depending on, the programming of the store check key. Checks can also be recalled using the table number.

STORE CHECK 1 – 4	The check tracking system can maintain only balances (hard check) or entire transactions (soft check) in the register memory. Four different tracking files can be separately maintained For example, restaurant checks, call-in orders, delivery orders, and/or table balance. Press one of the four STORE CHECK # keys to store a tracking transaction.
Halo (0:No Limit)	This is the maximum value which can be stored per transaction.
Exempt (Tax 1 – 6)	The tax rate will not be charge when the check is saved
Non Add Compulsory?	This forces the entry of a reference number using #/No sale
Print On Receipt?	This prints the function description on the receipt
Print On Journal?	This prints the function description on the journal
Manager Req. for Service Of Negative Balance	This forces the management user to use the storage of checks, which have a minus sale total.
Auto Check Management	This allows storing of a sale onto a sequential check number without having to initially open the check.

TAX EXEMPT	The Tax Exempt can be programmed to exempt taxes from a sale.
Halo (0 - No Limit)	This is the maximum sale amount for this key
Exempt Tax	Each Tax rate can be excluded from the calculation
Non Add Compulsory	This forces the entry of a reference number using the #/No sale function

TAX SHIFT 1 – 6	These are used to temporarily change the pre-programmed tax rate of a product.

CLOCK IN/OUT	Enter the employee clock in code then press the key to record start and end work times, breaks etc. Hours are maintained by the time clock system. There are various analysis reports for labour costing to assist with management of this feature.
Manager Required	This forces sign on of a management user, or password entry

CASH WITH DRAW	This deducts the monies entered from the cash in drawer total.

KP ROUTING	The kitchen printing can be re-routed to another printer either timed or on request
Manager Required	This forces sign on of a management user
Routing Period	This determines if the change of printing routing stays until changed, for one item or stays down for one transaction.

Function Key Listing

TIP 1 - 3	Used to enter a tip amount on a check tracking bill.
Halo (0 - No Limit)	This is the maximum sale amount for this key
Tip: Percent / Amount	This determines whether the value entered is to be applied as a monetary amount or a percentage
Tip: Open / Preset	The tip key can be either preset with a % or have the value entered during the sale.
Taxable By Rate 1 - 6	The key can be included within the tax calculation
Must Be Paid By Misc Tend After Tip	This forces finalisation on a miscellaneous tender key once a tip entry has been made.
Tip amounts add to Net & Gross Totals	The Tips amount can be added into the net financial and GT total
Charge Tip is Deducted from from cash	The Tips can be applied as a Cash financial total the value is then subtracted from the cash totalisers

VOID ITEM	Used to remove products from the current sale.
Halo (0 - No Limit)	This is the maximum sale amount for this key.
Manager Required	This forces sign on of a management user
Compulsory Reason	This forces a reason entry for reporting of the function key usage.

WASTE	Used to start and end entries of items that are wasted. A waste count is maintained for each item and the inventory is adjusted.
Affect On Projections	Are the wastage values to be included in the product mix group

X/TIME	Used for multiplication and split pricing.
Allow Split Pricing	This allows entry of fraction quantities i.e. 1 x/time 3 x/time - will result in a 3rd of the items quantity and value being sold i.e. 1.00 sold @ 1/3 is 33.333

NEW CHECK 1 – 4	Unlike the recall check key which allows the opening of both checks and new checks, this function only allows New check number to be opened. Pre-existing checks are opened using the Recall Check#1-4

PRICE CHANGE	This allows the price of an item to be changed. This can be enabled or disabled at PLU level.
Manager Required	This forces sign on of a management user
Permanent Price Change	This determines if the items preset price is overwritten, one shot, always or with a user prompt

Alpha Text	Used to manually enter or from a list, select text to be printed on the receipt, or kitchen order.
Permit Multiple Lines	Allow manual entry of more then one line of text
Use Pre-Defined Alpha	This allows the messages to be pre-programmed
Print In Double	This prints the alpha text in double size characters.
Do Not Print Alpha on Receipt	This prevents the Text printing on the receipt
Do Not Print Alpha on Journal	This prevents the Text printing on the journal
Do Not allow Manual Alpha	This allows selection from the 10 messages but not manual entry
Allow On Screen Alpha Edit	This allows the pre-defined messages to be changed in register

Function Key Listing

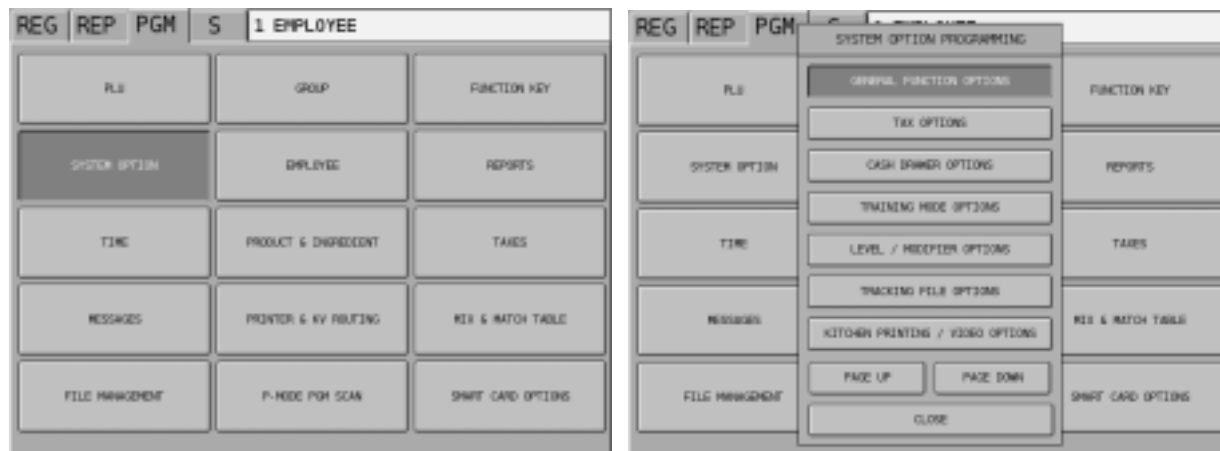| Report Function	A code can be entered and this key pressed in register mode and the required report will be printed. This function can also be used within Macros to automate reports, using the codes from table below.

E.g. 011120 REPORT – is a **Financial Z1 IRC**

REPORT	TYPE	LEVEL	IRC	OPTION
01	1	1	2	0

	REPORT	Type	Level	IRC	Option
01	Financial	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
02	Sales by Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
03	All PLU's	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
05	PLU's by Group	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
06	PLU Grp select Group	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	Group number (1~2 digit)
07	Top 20 PLU's	**O**-X	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
08	PLU Zero Sales	**O**-X	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
09	PLU Zero by Group	**O**-X	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
10	PLU Sales by Price	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
11	Mix and Match	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
12	Not Found	**O**-X / **1**-Z	1	**O**-Standalone	
13	Employees	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
14	Individual Employees	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	Employee No. (1~3 digit)
15	Employee Signed on	**O**-X / **1**-Z	1 to 5	**O**-Standalone	
16	Groups by Employee	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
17	Groups	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
18	From/To Groups	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	From/To -I.e 1 to 2 is 0102
19	Selective Groups	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	Group number (1~2 digit)
20	Drawer Totals	**O**-X	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
21	Drawer 1/2/3	**O**-X	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
22	Labour Groups	**O**-X / **1**-Z	1 to 5	**2**-IRC	
23	Sales & Labour %	**O**-X / **1**-Z	1 to 2	**2**-IRC	
24	Daily Sales	**O**-X / **1**-Z	2 only	**O**-Standalone /**1**-Selected / **2** – IRC	
25	Groups By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
26	Destination 1 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
27	Destination 2 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
28	Destination 3 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
29	Destination 4 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
30	Destination 5 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
31	Destination 6 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
32	Destination 7 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
33	Destination 8 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
34	Destination 9 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
35	Destination 10 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
36	Track 1 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
37	Track 2 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
38	Track 3 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
39	Track 4 By Time	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
40	Checks for Track 1	**O**-X / **1**-Z	1	Only From Check Tracking Register	
41	Checks for Track 2	**O**-X / **1**-Z	1	Only From Check Tracking Register	
42	Checks for Track 3	**O**-X / **1**-Z	1	Only From Check Tracking Register	
43	Checks for Track 4	**O**-X / **1**-Z	1	Only From Check Tracking Register	
44	Check Select Employee	**O**-X / **1**-Z	1	Only From Check Tracking Register	
45	Check Current Employee	**O**-X / **1**-Z	1	Only From Check Tracking Register	
46	Track 1,2,3,4	**O**-X / **1**-Z	1	Only From Check Tracking Register	
47	Product Mix	**O**-X / **1**-Z	1 to 2	**O**-Standalone /**1**-Selected / **2** – IRC	
48	Product Projections	**O**-X	1	**O**-Standalone /**1**-Selected / **2** – IRC	Week data (1 digit)
49	Station Totals	**O**-X	1	**2**-IRC	
50	Active– time keeping	**O**-X	1	**2**-IRC	
51	Daily Time Keeping	**O**-X / **1**-Z	1 to 5	**2**-IRC	
52	Shift Reporting	**O**-X / **1**-Z	1	**O**-Standalone /**1**-Selected / **2** – IRC	Shift number (1 digit)
53	Inventory	**O**-X / **1**-Z	1	**2**-IRC	
54	PLU Stock	**O**-X / **1**-Z	1	**O**-Standalone /**1**-Selected / **2** – IRC	
56	Stock by Group	**O**-X / **1**-Z	1	**O**-Standalone /**1**-Selected / **2** – IRC	
57	Stock by Individual Group	**O**-X / **1**-Z	1	**O**-Standalone /**1**-Selected / **2** – IRC	Group number (1~2 digit)
58	Food Cost	**O**-X / **1**-Z	1	**2**-IRC	
59	PLU Minimum Stock	**O**-X / **1**-Z	1	**O**-Standalone /**1**-Selected / **2** – IRC	
61	String Report 1	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
62	String Report 2	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
63	String Report 3	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
64	String Report 4	**O**-X / **1**-Z	1 to 5	**O**-Standalone /**1**-Selected / **2** – IRC	
65	Custom Report	**O**-X / **1**-Z	1	**O**-Standalone	

System Flags

The following allows customization of reporting and options using the register system options, these are sorted by category to assist the programmer in finding a specific option.

General Function options

Manager Control Negative Sales	This prevents minus priced products being sold in the register position. Manager access is required to continue the sale.
Manger Control Negative Tender	This prevents transaction which are a minus value being finalised in the register position. Manager access is required to finalise the sale.
Manager Control Zero Sales	This prevents transaction with zero sales figures being finalised in the register position. Manager access is required to finalise the sale.
Enforce Destination At the Begin of Sale.	This makes it compulsory to press one of the totalisers keys at the beginning of a sale.
Enforce Destination Before Tender	This makes it compulsory to press one of the keys at the end of a sale. When using the analysis keys to compulsory change the printing to kitchen periods the analysis key would be forced at the beginning of the sale
Default Destination	This enables the most common of the types of sales totalisers to be set as standard. It is possible to press any of the alternative keys to switch the sales totals to another area.
Rounding On %	It is assumed as standard when a minus/premium calculation is carried out rounding with round up/off at the 3rd decimal place. This can be changed to round either down or off at the 3rd decimal.
Rounding On Split /Decimal Multiplication	This allows entry of fraction quantities i.e. 1 @/for 3 @/for - will result in a 3rd of the items quantity and value being sold i.e. 1.00 sold @ 1/3 is 33.333 It is assumed round up/off at the 3rd decimal place. This can be changed to round either down or off at the 3rd decimal.
Consolidate Like Items	This combines items together i.e. 2 of PLU 1 would print PLU1, PLU 1. With this flag set the register will show 2 x PLU not PLU1 PLU1.
Hash Options	When a product is set as HASH this means all totalisers for this product are not to be treated in the normal manner, i.e. added to gross, net etc. The Hash PLU can be added to various totalisers
Activate Rounding On Cash	Design for the European market used to activate total rounding
Activate Rounding On Sub'	Design for the European market used to activate total rounding
Rounding System	Design for the European market used to setup the rounding system criteria.
Global Entry Limit (0-7 0=No Lmt)	This forces the system to only accept the number of digits entered here i.e. 4 digit means only 99.99 can ever be made as a sale. It should be noted that if a maximum of 99.99 sale is required it would be better to Enter 5 digits as to tender would require 100.00

System Flags

General Function options

Direct Multiplication	Under normal circumstances a value which is entered then proceeded by a product is assumed to be a price entry. However with this flag on it is assumed to be a quantity this in turn eliminates the need for the x/time key. For example to sell 5 of product 1 you would not use 5 x/time product 1 but 5 of product 1. This applies to pre-set items only.
Allow PLU Preset / Halo Override	When disabled prevents any product being sold as a manual price override of a pre-programmed price. This is a general setting, taking priority other program restrictions that may be in place for the products.
Silent Key Depression	This prevents the system for making a key beep when a button is pressed.
Deactivate Void Mode	This is a security feature to disallow the void mode operations on this terminal.
Allow Copy PLU By Range	The program menu option copy program, allows various details to be copied from one to another such as screens for PLU's. The copy parameters can be set so that a product is copied to another product or to a range of items.
Allow Post Tendering	This allows the recalculation of change for the last sale, by entering the value and pressing Cash
Employee: Popup/Staydown	This determines whether an employee remains signed onto the terminal when a sale is completed, this is referred to as stay down. The alternative is pop up which means as soon as a sale is finalised the employee is signed off forcing an employee code to be re-entered every transaction.
Employee Sign On	The employees can be signed onto the terminal in various ways. The most common method is to allocate employee buttons Alternatively, they can use an employee code button. This allows you to use either the EMPLOYEE number which is the default sequential code or the OPERATING CODE which is a unique code programmed per employee.
Qty Limit For X/Time Key	No multiplication quantity will be accepted which exceeds the value
Error Buzzer is Spot	This sets if the buzzer is a continuous noise or one sound.
Guest Check Balance Halo (0=No Limit)	The sales value which can be stored against a tracking value can be restricted to a maximum limit, this can be programmed here for all tracking files 1 – 4 or against each individual store check key. The HALO message will appear to warn the operator that the maximum balance has been achieved.
Linked# Employee (1–10) Key	Ten push button employee sign on keys can be programmed to the screen that can be used to sign on any employee within the system. The employee's sequential number is allocated here. This enables that employee to be signed on at the press of a button.
Allow Not Found PLU	Allow the prompt for PLU creation when a not found product is sold.
Set Default Seat# To 1	The System can be programmed to enable individual seat allocation per guest for each tracking file. This allows each person to pay their share of the overall bill. A total will be calculated for each seat allocated to items on a tracking bill. Normally seat numbers are entered when required, this option will automatically allocate each person to Seat No. 1.
Enter Time For Transaction Void	The Time is prompted for before a sale is made in void mode.
Screen Saver (Minutes)	The display will turn off after the allocated number of minutes, a key press will activate the display
Allow Multiple Multiplication	This feature cannot be used with SPLIT PRICING or DIRECT MULTUPLICATION. The quantity key will allow two entries before the sale of a product, these two entries are then multiplied together to give the total sales quantity for the product i.e. 5 x/time then 10 x/time = 50 items

System Flags

General Function options

Tax Shift (Pop Up/Stay Down)	When it is necessary to change the pre-programmed tax rate of an item using the tax shift key, the decision can then be made to allow that change to take place just for the item i.e. ITEM POP UP, or until another selection i.e. STAY DOWN.
Base Currency (Local Currency/Euro Currency)	This is for future use, to assist with changing from home currency to Euros on a permanent basis
Allow Clerk Interrupt	This will allow employees to lay away a sale, this enables numerous staff to operate the terminal at once.
Allow Floating Clerk	This allows employees to use any terminal in a multi EPOS site. Commencing a sale on one machine and moving the sale throughout the system for additions etc as they sign onto different terminals.
Clerk Change Without Sign Off	This enables an operator to interrupt the sale in progress without the need of the original operator to sign off, providing a true clerk interrupt principle
Skip In Not Found PLU Registration:	This allows both the Group Link and the Description to be removed from the NOT FOUND prompt required when creating a new product in the register position.
Subtract Change From Foreign1 Total	This determines if the change for foreign currency transactions, will subtract from the Foreign monies total on the financial report.
Receipt Status On Operator Display	This controls whether the RON / ROFF indicator is shown on the REG display, indicating which mode the receipt printing option is set to.
Card Reader Enabled	This enables the optional device of a Magnetic card reader.
Dallas Key Compulsory for Clerk Sign on	This forces a Dallas key to be used for clerk sign on. (Note :- a program password exists of 9999 Employee in case no Dallas is present)
Only Display PLU which has PLU on Select PLU	The PLU Add & Change selector screen, can be set to show only screens with PLUs and not functions.
Show price per item on Quantity	When the X/Time key is pressed this determines if the unit price is shown
Show Single Q'ty Unit Price	This flag when set will always show the unit price even if the quantity sold is one.
Display Message on Pole	It is possible to display the time or a user message on an external pole display
Pole display Message Direction	The Pole display message can scroll left, right or in both directions
Allow Sales for 0 Stock	If the stock of an item set for stock control is 0 this flag prevents the item sale
Allow Sales under Minimum Stock	The sale of an item can be prohibited if the stock of an item is equal to minimum stock levels
Screen Saver Type	The Screen Saver can be set as floating or rotating
Show Real Time Stock on Keyboard	With this flag set, the current stock level for inventory stock flagged items is displayed on the button during normal sales operations reducing as the key is pressed. In a multiple register site, this will require access to all terminals in the network in order to sell a stock item as the consolidate stock position is displayed.

System Flags

Tax Options

Tax Rounding Factor	It is assumed as standard that a tax calculation resulting in more than 3 decimal places will be rounded up/off. This can be changed to round either down or off at the 3rd decimal place.
Print Taxable Amounts On R/J	This prints the Taxable value of the goods to which tax is to be applied on both the receipts and journals.
Taxable Status Indicators (Display & Print)	When an item is linked to a tax rate it is also assigned a symbol relating to the tax table. This assists with viewing of the tax totals on the receipts and relating them back to an individual item. It also serves as a useful check to ensure an item has been successfully programmed to the tax totals.
Print Tax Amounts At Tender	This determines whether the amount of TAX charged will be printed on the receipt at finalisation.
Print Vat Tax Amount Separately	This prints the value of the sale net of vat on the receipt.
Tax Print: (Combined/Itemized)	This feature is designed to simplify the receipt issued. When products of different tax rates are sold the tax can be printed separately per rate, this is referred to as itemised. Alternatively the total tax due of all the rates can be displayed and printed, this is referred to as combined.
Print Tax Exempt Descriptor/Ttls	When an item is exempt from tax this can be indicated on the receipt by printing both a descriptor and the value of the exempt amount. Tax exemption works in conjunction with function key system flags being programmed.
Print Subtotal Without Tax	When adding tax to sale total, the total can be printed without the tax total added before the tax calculations are printed.
Do Not Show Food Stamp Indicator	If the USA FD/S keys are used items will be set as food stampable. This option determines if the indicator is shown.
Print Group Tax Information	With this set the tax values are calculated for group report printing.

Cash Drawer Options

Allow Sales With Drawer Open	This enables sales to be made even when the drawer is open
C.I.D. Amount Limit	When the system reaches the programmed limit the machine will warn the operator to take action and perform a PAID OUT sequence to reduce the CASH IN DRAWER totalisers.
Open Drawer During X Reports	The cash drawer does not normally open when X reports are taken. This system flag opens the drawer at the appropriate times.
Open Drawer During Z Reports	The cash drawer does not normally open when Z reports are taken. This system flag opens the drawer at the appropriate times.
Activate Open Drawer Alarm	This works in-conjunction with the alarm time providing a warning when the drawer is open too long.
Open Drawer Alarm Time	This is the time limit in seconds that the drawer can be left open before the alarm activates.
Open Euro & Local Currency Drawer	This will allow operate two cash drawers, to allow monies to be taken in one currency and change issued in another.
Open Remote Drawer	This allows a drawer on another terminal to be opened via employee control
Open Drawer during Cash Declared	The cash drawer is opened during X Mode monies declared procedure.

System Flags

Training Mode Options

Open Drawer In Training Mode	The cash drawer is not normally opened during staff training. This system flag allows for the drawer to open as normal.
Training Employee File #	This is the employee number used to provide the training mode employee report totalisers. If a training mode report is required, one of the employee numbers is set aside for reporting purposes. This employee is then no-longer used in the register position, but reserved for training mode report printing, usually printed out by selecting reporting of an individual employee number.
Send Orders To The Kp/Kv In Training	Whilst training mode is activated, the kitchen printing is not normally required. This options activates the printing as normal.
Print Journals In Training	Using this system flag it is possible to enable or disable journal printing whilst training is taking place.
Print Receipts In Training	Using this system flag it is possible to enable or disable receipt issuance whilst training is taking place.
Print "Training"	The indicator TRAINING is displayed and printed, whilst the training mode is active to show the terminal is not operating in normal registration mode. This indicator can be suppressed.
Stock Is Deducted In Training Mode	This will allow stock to be deducted for the PLU's current stock holding, whilst sales are made during training.

System Flags

Level / Modifier Options

Default Price Level	The terminal has five prices per product where the price can be allocated from any one of twenty price bands. This option determines which price level will be loaded as standard when the machine is turned on. The Price Level keys will be required to switch from this level to an alternative.
Price Level	The switch between levels can be programmed in three ways. Firstly STAY DOWN, in this instance when a Price Level key is used, the new screen page selected will remain until the Price Level key is pressed. The second option is POP UP; this forces the price to return to the default price level, when for the next item. The third option TRANSCATION POPUP allows the level to stay during one transaction before returning to the original price level.
PLU Mod Keys	Preceding a PLU entry a modifier key changes one digit of the PLU number, causing a different PLU to be registered. MODIFIER Keys can be set to change either the item code or the description only. This option is to determine whether the effected the modifier key is to stay active until another selection is made. This is referred to as Stay Down. The alternative is that the change takes effect solely for that product and normal operation will be resumed when the next product is sold. This is called POP UP. The third option allows the level to stay down one transaction before returning to original settings. For example to modify the 3rd digit of a number by 2 would be 1 = 201 1001 = 1201 etc ideal for different sizes etc i.e. PLU 1 Pint 201 Half-Pint etc. Modifier keys can also be used for a different function. They act as text print keys, modifying the description only of a product sold, providing instructions for products to be printed on receipts, KP orders etc.
Apply Modifier To Code Entry PLUs	The modifier change as outlined above can be programmed for screen items only .
Modifier Overwrites Prev Modifier	If Yes, only the last modifier entry will affect the PLU number. Use this setting when a PLU is modified only once, i.e. small/med/large. If N, several modifiers affecting different digit positions could be entered that will the PLU registered.
Use Clerk's Price Shift Level	It is possible to change screen and price levels per operator, by specifying which levels are selected when sign on takes place. This determines if operator or function shifting is used for screen and price levels.
Exit To Main Screen At Done Key Once	When the DONE key is pressed, the operator will be taken back to the default screen.
Default Screen Level	The terminal has two hundred completely independent screens programmed into the system. This option determines which screen will be loaded as standard when the machine is turned on.
Exit to Main Screen At Finalization	This option takes the operator back to the main menu screen when the current sale has been finalised.
Use Clerk's Default Screen Level	This option allows the clerk to sign on with the desired screen as set up in the employee programming options.
Default Keyboard Level	This determines which keyboard layout is to be used as standard on the terminal from any one of the five available.
Keyboard Level	This determines if the keyboard level will remain, only for one item, Stay Down, or Transaction pop up back to the default keyboard level

System Flags

Tracking File Options

Automatic Transfer Check	This refers to re-assigning a check opened by one employee to another employee. This automation allows transfer when an employee opens a check, or changes the operator whilst a check is open.
Checks Paid Slip Is Stub	This produces an abbreviated bill, showing only financial information only.
Print Guest Check	This prevents guest bills being printed at the terminal, even if a print check key is programmed. Designed to set the terminal as an order, not payment register.
Track 2 Holds Closed Chks Frm Trk1 **Track 4 Holds Closed Chks Frm Trk3 (as previous)**	If this flag is activated, TRACK 2 is not to be used as a normal open check balance storage system. It is an archive for closed checks, which were opened on tracking method 1. As a check is closed on tracking method 1, the data is stored in check file 2, available for reporting by printing "Open Check Tack 2" report. The maximum file size for data storage is determined by the MAXIMUM NUMBER of checks set in the memory allocation.
Starting Check# 1 – 4	When using the auto check number generation system this is the number from which the checks will begin to be generated. Each file can have a different starting number.
Check Limit 1 - 4	This is the maximum number that can be automatically generated by the terminal, and works in-conjunction with the starting check number, when the limit is reached the message, buffer full will appear until one of the existing checks is finalised.
Reset Check # 1- 4 At Z1	When running a system with automatic check number generation, the check numbers can be reset back to the starting check number at one of three stages.
Show Backup Master Down Indicator	This will provide an indicator on the register display, showing the situation of the backup terminal, checking the status every time the IRC network is interrogated
Open Check with MCR	This allows the opening or recalling of a check file 1 to 4 using the magnetic card reader
Open Check with Scanner	Using a PS2 scanner, it is possible to recall EAN 8 barcodes as identifications for Delivery Accounts (function 69).
MCR Starting offset	This defines the track information on the magnetic card with the starting number of digits to be offset
MCR Data Length	This is the length of data to be applied to the operator as the sign on code, when read from the MCR card.
Check Tracking Type 1 – 4	If the check is set to Deposit type it is necessary to enter a deposit using RA1 when the check is opened. In addition only a manager (or manager code) can accept payment for the check.
Print check before Tender Compulsory	The Bill must be printed using the PRINT CHECK key before the check payment can be accepted
Print Delivery Info on Guest Check	If the DELIVERY function is used to open a check and enter the customer details, this determines if the customer details are printed on the bill
Prevent Sale over Deposit amount	This prevents the sale exceeding the deposit amount (enter via RA1 to a check) when the check tracking type option is set as Deposit.

System Flags

Kitchen Printing / Video Options

Print at KP Total Amount	The sale total can be printed on the kitchen printer showing the total value
Print at KP Print Seat#	This provides extra information for waitresses by printing the seat number
Print at KP Order #	This is especially useful when a check number is not used, as the order number identifies what sale/customer the food produced is to be served to. This can also be used as a global order number providing a central consecutive number for orders
Print at KP Transaction Void Items	This will print items/sales removed from a sale to the kitchen printer indicating those items are no longer required.
Print at KP PLU Code	This will print the PLU number alongside the description on the printer.
Print at KP PLU Price	This will print the price of the product alongside the description on the kitchen printer. When used with the total amount line print; this provides a good substitute for a sales receipt.
Print at KP Bitmap	This will print the external printer (downloaded into the printer) graphics logo on the kitchen/remote order stub, providing the appropriate model of printer is used.
Print KP Number Of Items	This will print the total number of items for each kitchen ticket, I.e. when separated by group this will be the number of items for each group, starters etc. Alternatively, it is the total number of items on that particular ticket.
Logo Message	This will print the receipt logo message on the kitchen order, ideal for providing varying formats of stub receipts.
Print At KP#: Number Of Total Items	This prints the number of items per sale on the order ticket.
Enable Sort KP By KP Group#	The information is printed on the kitchen printer in the order the food was sold; however this may not necessarily be a logical order for the chef. It is possible using this system flag to identify the preparation group it refers to i.e. starter, main courses etc. A sale that is then entered in a random order will be re-sorted by the preparation group programmed to the PLU status group.
# Line Feed At Begin Of KP Print	It is possible to feed the paper before information is printed; this in-turn makes the receipt issued longer.
# Line Feed At End Of KP Print	It is possible to feed the paper after information is printed; this in-turn makes the receipt issued, longer.
Combine Like Items On KP Or Kvs	The same product can be printed separately when more than one has been sold or print consolidation on one line with a quantity and total value.
Send Order To KP On Subtotal	This flag sends items to the Remote Printer when the SUBTOTAL key is pressed.
Send Order To Kvs On Subtotal	This flag sends items to the Kitchen Video System when the SUBTOTAL key is pressed.
Print Voided Orders At KP Or Kvs	This prints items removed from the order using the Void function on the kitchen order printer.
KP Is: Real Time/Batch	Batch is normally set, the alternative is real time i.e. items are printed as sold.
KVS Is: Real Time/Batch	This flag controls when items are to be displayed on the Kitchen Video System. When Real time is selected the items are displayed. The alternative is batch; items are then shown at the end of the sale
Use KP Router: The Same For All Reg / Register Separately	The terminal has the capability of four pages of kitchen printer output settings; each controlled by time, or manually using the KP routing key or the analysis keys. The four pages can apply to the whole network, independently per terminal
KP Order#: Combine Reg#&Cons# / Global Order#	The order number can be the combined register and consecutive number combination or used as a global order number providing a central consecutive number for all food orders printed in the kitchen.
Display KP Time Period#	This indicates on the register display, which one of the four printer pages is in use
Display KP Order#	The order number being currently printed can be displayed on the register display.
Separate KP By KP Group#	Each product is linked to a kitchen print group, these groups are then allocated to the printer. This cuts the ticket after each group (requires sort by group option)
Separate By KP Item	A separate kitchen ticket can be issued per product, producing one ticket per item.
Use Special KP Order Form	It is possible to print an additional kitchen order to the receipt printer, issued when the normal remote KP order is printed. Using the PLU Status group it is possible to include or exclude items from the order form.
Alpha Text To KP	Alpha Text entered can be printed to the Kitchen Printer using this option
Print Delivery Info on KP.	If the DELIVERY function is used to open a check and enter the customer details, this determines if the customer details are printed

System Flags

General Printing Options

Print On Receipt:	This controls what will be printed on the receipt ticket.
Employee Name	This programs whether the employee name will be printed on the receipt
Consecutive #	This programs whether the consecutive number will be printed on the receipt
Items By Group	The products can be printed on the receipt in the order they were entered or can be sorted into their group, i.e. all food together, then all drinks. They are sorted using the PLU programmed Group#1
Date	This programs whether the date will be printed on the receipt
Time	This programs whether the time will be printed on the receipt
Preamble/Postamble	It is possible to print a message at the top of the receipt; this is referred to as the PRE-AMBLE message. It is also possible to print a message at the bottom of the receipt this is referred to as the POST-AMBLE message. This programs whether the messages will be printed.
Order #	The kitchen order number can be suppressed on the receipt printer
Seat #	The Seat Number can be suppressed on the receipt printer
Receipt Feed Lines After Print	The receipt can be increased in length by entering the number of extra lines to feed after printing. This applies only to receipt print, not kitchen printing. If an overall number of lines feed are required for the printer whatever the print, it is programmed in S-mode port definition.
Lines After Preamble	It is possible to print a message at the top of the receipt; this is referred to as the PRE-AMBLE message. This programs how many extra lines are fed after the message before sales details
Lines Before Postamble	It is possible to print a message at the bottom of the receipt this is referred to as the POST-AMBLE message. This programs how many extra lines are fed before printing the bottom logo message.
Buffered Receipt: Stub / Full	When the receipt is printed after the sale is completed i.e. buffered the information printed can be an abbreviated financial stub or a full-itemised receipt.
Print Rcpt When Signing On/Off	It is possible to issue a receipt for each employee that signs into the system for registration
Print Rcpt When Clocking In/Out	It is possible to issue a receipt for each employee that clocks into the system for time clocking
Condense Tray Sbtl Receipts	The system has a function called tray subtotals. This allows users to press a key; to issue a receipt for the items sold since the last press of the tray subtotal key. The sale is continued and tray subtotal is pressed again to issue receipts for further items. It is then possible to finalise and receive a completed receipt. This feature is ideal when a ticket is required for items within a sale, as well as a payment receipt for the whole transaction. This option allows the printed information to be condensed, reducing the amount of paper used.
Journal: Real Time / Batch	The timing of the print to the journal can be controlled; real time means the moment a product is sold the information is printed. The alternative is batch printing; the information is printed at the end of sale.
Print PLU Code With Descriptor	It is assumed not necessary as standard to print the product code of the item sold, as most clients do not refer to the code number. However in a scanning system this information may be required in addition to the product description. This flag prints the product number every time the description is printed.
Transaction # Is Random Number	The receipt identifying number can be changed from sequential to random if required.
Home Currency Symbol	The monetary symbol for the country in which the machine is based. I.e. £s , Euros, etc.
Converted Currency 1 Symbol	The symbol printed when money is entered using currency conversion key 1. Conversion one is the rate used for EURO conversion.
Converted Currency 2 - 5 Symbol	The symbol printed when money is entered using currency conversion key 2 - 5
Print Tender On Receipt	This controls whether the amount given by the customer for payment is printed on the receipt.
Date Print	This option toggles the date format between DDMMYY, MMDDYY, and YYMMDD

System Flags

General Printing Options

Guest Check Preamble/Postamble	There are two types of logo messages, the standard sales receipt message, or the alternative guest bill check tracking message. This option decides which is to be used. I.e. the same sales receipt logo message on all prints outs, or a specific guest check message to be printed on bill. This may include messages like TIPS ARE AT YOUR DISCRETION, PLEASE SIGN HERE etc... not normally required on a standard sales receipt.
Print Receipt Automatically	Irrespective of the receipt on / off settings, this flag will force the receipt on continuously.
Print Rcpt After Time Clock Edit	This is an optional receipt print when the time clock wages data is edited manually in the X-mode
Print in Double Total	This prints the subtotal of the sale in double size
Print in Double Tender	This prints the monies given by the customer in double size
Print in Double Change	This prints the change due in double size
Print in Double Order#	This prints the kitchen order number in double size
Print As Foreign Currency 1	Foreign Currency 1 is normally the Euros, this feature helps deal with the necessity of dual pricing. Each of the following determines when the home currency rate is to be printed along with the EURO total **Total** -This prints the total of the sale in Euros as well as home currency **Tender** - This prints the value of monies given in Euros as well as home. **Change**-This prints the total of change given in Euros as well as home
Print Guest Check Print Count On GC	This will print the number of times the bill has been issued at the bottom of each bill produced.
Print Number Of Items On Receipt	This will print the number of items purchased for this sale on the receipt
Disable Printing In Currency Conv	When converting a total from home currency to a foreign currency there is standard information printed. It is possible to suppress the **Change Rate, Foreign Amount, Home Amount**
Print All Currency In Conv2-5 Op.	This allows when using Euros dual pricing and payment in a further currency to print both the information in Euros also in the currency by which the sale is to be paid, for **Total, Tender** and **Change**
Print Group Name When Printing Items By Group	When the receipt is sorted by group it is possible to have the group name printed at the top of each group section.
Allow Multiple Receipts	The will allow/disallow multiple copy receipts to be printed.
Print Group Totals For Item By Group	When a receipt is set to sort by group and print group name, it is possible using this flag to print a gross subtotal value for the group
Do Not Print PLU For Item By Group	This will suppress the printing of PLU's and print only the group totals. This is used in-conjunction with the Print group totals for item by grp, for option
Reset Previous Item counter for Recall	When using the print item count and clerk interrupt this flags determines if the item count reflects the whole count or just the current sale.
Print Promotion after Trigger PLU	If an item triggers a mix and match discount, this flag determines if the discount is printer after the item or at the end of the sale. This flag can not be used for group sorted receipts as the offer always prints at the subtotal
Enable Barcode printing	Within the PLU edit screen it is possible to enable barcode printing of EAN 8 and 13 digit PLUs on the internal or external receipt.

System Flags

General Printing Options

Pre / Post Image on Receipt	This controls which preloaded image will print on the receipt header (pre) or receipt footer (post)
Pre / Post Image on Guest Check	This controls which preloaded image will print on the Guest Check header (pre) or receipt footer (post)

Loading Internal Printer Images Via SD

It is possible to load in via SD card 14 images used to create a library of header and footer images which are interchangeable.

- Create the images as shown and save to a Fat32 formatted SD card in **\update\sps500**

SPS530 80mm Printer	**Logo_xx.bmp** (where xx is 01 – 14) Maximum 576 X 240 pixels Black and White	**SPS520 44mm Printer**	**Logo_xx.bmp** (where xx is 01 – 14) Maximum 384 X 240 pixels Black and White

- In **S** mode power **Off/On** whilst depressing the **Cash** key and then press the **top left, bottom left, top right, bottom right** corner keys to access the service menu.
- Type in **1287** and press enter, then select **Setup** and **Logo Define** to load the files.

Service Mode Password
1287 and press Enter

Setup then
Logo Define
Images are loaded in
\update\sps500\Logo_xx
.bmp (xx 1 to 14)
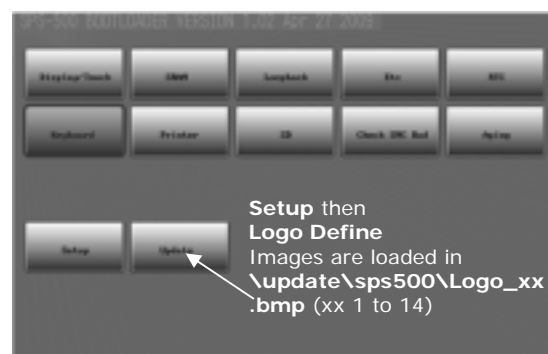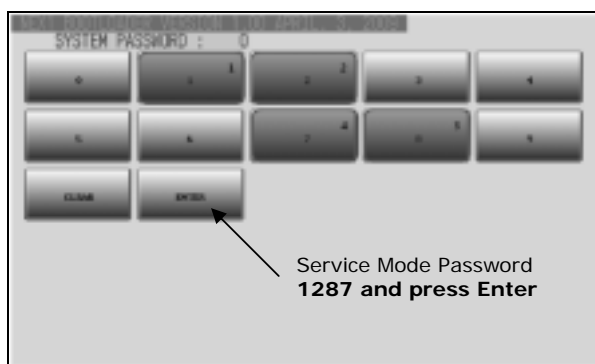
- Within **P** mode, **System Options** - **General Print Options** - **Option#8 tab** the following can be changed to set which image number will be printed

System Flags

Report Printing options

Zero Skip	This option Enables or Disables zero values to be shown on the following reports, **Financial, PLU, Employee, Group, Time Period** and **All Other reports**
Print % Of Sales On PLU Report	The product report prints the quantity and value sold per product. This can then be used to calculate the percent value of total sales that item has achieved.
Print Linked Groups On PLU Report	The products can be linked to groups for sales analysis by category; it is possible to print this number on the report to help identify the product category.
Promo/Waste Totals On PLU Report	It is possible to print along side the products sales information the quantity of items that have been issued as wastage, also the number of items that have been sold as promotional products.
Indiv Item Usage Qty On PLU Report	This will print not only the total quantity sold, but also the total usage which is calculated from an addition of quantity sold + Promotion Products + Wastage items.
Count On Time Report Is: Customer / Guest	The hourly report indicates the value of sales made during that time. The counter can be either the total number of transactions per hour referred to as the customer count. The alternative is using the GUEST# key that totals the number of guests i.e. how many people have visited the establishment.
Use Function Key Descriptor In Report	When the default description of the function key is changed from the default settings this alternative description will print during registration, the choice determines whether the description is to be used for reporting or whether the default settings are to be used.
Print Min Stk Rpt After Finan Report	Any product where the stock is below the minimum stock level will appear at the bottom of the financial report, resetting the minimum stock report when the financial report is issued as a Z. This assumes that the stock items have been re-ordered and are no longer required on the minimum stock report.
Print Grand Total On Financial Report	This will print / suppress print of the running grand totals on the financial report.
Print Groups By Employee Report After Employee Report	When the employee financial report is printed it is possible using this flag to automatically print the group by employee report which shows the sales group breakdown per employee
Print PLU Profit on PLU Report	A PLU price can be designated in report options, as the cost per item, the difference between the "cost" and the retail price can be printed on the reports
Do not Print Hash Symbol	If a product is set as hash item (non add) this flag will optionally print alongside an indicator of the hash status on the PLU report.
Do not print Time on Reports	This suppresses the time print on the reports.
Print Open check Total on Financial report	This controls whether the value of outstanding balances for each of the four independent check files is printed on the financial report.

System Flags

Report Options

Only Ttl On Product Mix Group Report	The product mix groups are used to identify item usage and sales of selected products by time range. This flag changes the format of the report from a time period analysis per product group to a total analysis per group, reducing the length of the report.
Only Items With Actual Inv Entry	When set this will only print out ingredients that have an actual stock figure entered for them.
Cash Declaration Compulsory	This system flag forces the operator to enter the value of monies in the drawer before reporting
Reset PLU Report At Inventory Z1	This will reset the PLU sales quantity and value report when resetting ingredient inventory information. This should be considered carefully as an option, ensuring that your intentions are to reset PLU sales
Reset Inventory Report At PLU Z1	This will reset the ingredient inventory data when the PLU sales quantity and values are reset. This should be considered careful as an option, ensuring that the intention to reset the information is what was required.
Time Keeping: Minutes / 100units	The clocking In/Out option can calculate labour costing based on minutes or 100s of an hour.
Omit Tax Totals From Net Sales Gt	The system has a running financial totals this, as standard will include any tax charged. This can be omitted
Allow Z Of Open Check Reports	The system assumes that all checks opened will be paid it is possible to allow or disallow clearing of these without payment i.e. Z reset the report.
Confirm Before Totals Clear On Z	If this flag is set the system will request a key press once a Z report is run to activate clearing of the totals. It is a security measure to ensure the operator is aware of their actions.
Reset After Z Financial Report -Gross Sales Gt	This is the running total of the retail value of goods sold. It is not normally reset when a financial report is issued, as its purpose is to provide an on going GRAND TOTAL
Reset After Z Financial Report -Net Sales Gt	This is the running total of the monetary value of goods sold. It is not normally reset when a financial report is issued, as its purpose is to provide an on going GRAND TOTAL
Reset After Z Financial Report -Negative Sales Gt	This is the running total of all negative products sold. It is not normally reset when a financial report is issued, as its purpose is to provide an on going GRAND TOTAL
Reset After Z Financial Report -Z Counter	This counter is used to show the total and number of each type of report that has been taken. Resetting starting the numbering each time a Z report is taken, if this flag is set.
Consecutive #	This counter is used to number each receipt that has ever been issued. This resets and starts the numbering each time a Z report is taken.
Void Mode Totals Add To Grand Ttls	The running grand totals are totals of sales and financial information for goods and moneys received; Voids are normally deducted from these totals. It is possible to reverse this and add voids taken to the totals. It is not the norm to set this flag; there are certain environments where it is applicable.
Allow Z With Open Orders Check#1 - 4	It is possible to decide whether the system will allow resetting of the terminal when there are open balances. This can be defined for each of the tracking files independently
Only Items With Current Inventory	The ingredient stock report can be printed only for items which have a total within the current inventory field
Allow Z With Open Clerks	This will allow/disallow reports to be taken when there is a sale outstanding on a clerk.
PLU Cost Price Level	This allows a PLU price level to be used as a cost price selection, with the retail price offset against the cost to show a monetary profit.

System Flags

Time Keeping Options

Overtime Hour Is Used For: Day / Week	Overtime can be paid on the number of hours worked per day or week. I.e. 8 hrs a day or 37 hrs per week.
Hours Per Overtime Starts	Once an employee's total hours worked have reached this point then an overtime rate will be paid.
Overtime Factor	This is the ratio of the pay rate for overtime for example 1.5 will indicate time and a half.
Enforce Out For Break Or Out Entry	This enforces the employee to enter why they are clocking out either for a break or to clock off
Tip Reporting % Of Sales	The tips earned can be calculated as a ratio of sales that each employee has achieved. This is the percentage value employees will earn
Employee Time-In/Out: Clock In Code / Employee#	There are various employee restrictions for clocking on to the system. The standard register sign on code can be used as the clock in code or an alternative separate clock in code can be allocated. This option determines which code is to be used for time in/out operation.

E.J. and Detail Printing Options.

Activate Electronic Journal?	This enables the electronic journal, allowing storage of all actions made on the terminal which are then stored to the memory for reporting.
Display E.J. Buffer Full Warning?	The terminal has a maximum number of lines allocated in the initial memory allocation. When this is reached the terminal can display a warning indicating it is time to take a reset report.
E.J. Override When Buffer Full?	When the maximum limit is reached a reset can be forced to clear the totals. The alternative is to start at the oldest information stored and begin to overwrite the information, providing a continuous loop. It should be noted, the oldest data is overwritten and cannot be reported on.
Send To Electronic Journal	All information can be sent to the terminal and when reported extracted as required i.e. all Cash Transactions, Voids etc. The alternative is to send only the information that you require. This will save on the memory required, as only part information is stored. The system then ceases to operate as a true journal of all transactions but provides a monitoring system for the information that you require. The choices available are:- **Cash Transactions** - All cash sales made during normal operation **Cheque Transactions** - All cheque sales made during normal operation **Misc. Tender Transactions** - All Miscellaneous sales made during normal operation **Transactions With %** - All sales containing a discount or premium operation **Recd Acct & Paid Out** - All received on account or Paid out sales **Return Transactions** - All Merchandise Return sales transactions **Err Correct & Void** - All transactions containing an error correct or void. **No Sales** - All Transactions containing no sale operations. **Cancel Transactions** - All Register Mode cancelled transactions **Transactions With Negative** - All Transactions with negative product sales. **Reports** - All Read & Reset reports which are printed **Program Scans** - All Program scans, which are printed. **Check Tracking** - All movement on open checks can be stored **Clerk Interrupt** - All sales where a balance has been stored by a clerk.
Send To Detail	When an electronic journal is not used, it is possible to use an external detail audit printer. The following information can be printed. **Transactions With Negative** - All transactions with negative products **Reports** - All Read and Reset reports, which are printed **Program Scans** - All Program scans, which are printed. **Trans. W/Out Negative Items** - All transactions with none negative product sales

Tax

The system allows up to 6 tax rates to be programmed. The register will operate either a

VAT inclusive system where the prices are entered including tax, or as an

Add on Tax system, and the Tax will be calculated as the item is sold

REG	REP	PGM	S	1 EMPLOYEE

PLU	GROUP	FUNCTION KEY
SYSTEM OPTION	EMPLOYEE	REPORTS
TIME	PRODUCT & INGREDIENT	TAXES
MESSAGES	PRINTER & KV ROUTING	MIX & MATCH TABLE
FILE MANAGEMENT	P-MODE PGM SCAN	

TAX PROGRAMMING

TAX #	TYPE	RATE
TAX #1	VAT	17.500
TAX #2	ADD ON	00.000
TAX #3	ADD ON	00.000
TAX #4	ADD ON	00.000
TAX #5	ADD ON	00.000
TAX #6	ADD ON	00.000

CLOSE

Messages

Various messages can be reprogrammed by changing the default settings. It is also possible to program receipt and bill header/footer messages in this section. A list of all pre-programmed descriptors can be printed using the program scans option. It is also possible to load all default descriptors using the service mode, if modifications are to be removed.


Logo Message	Used to program the sales receipt Pre-amble header message and Post-amble footer message. The justification selection can be used to auto centre etc
Error Message	The User error messages can be modified in this section.
System Descriptors	The default messages, for Subtotal, Change etc can be modified in this section.
Report Descriptors	This can be used to change the default report descriptions such as GROSS, NET
Check Endorsement Msg	This sets the message printed when the Cheque endorsement message is used.
Guest Check Logo Msg	Used to program the guest bill tracking receipt Pre-amble Header message and Post-amble footer message. The justification selection can be used to auto centre etc the programmed message. The option to use guest message or receipt message when printing a bill is programmable in the system options
Pole Display	The scrolling message for the pole display be entered here.

Alpha Text Message	The alpha text key can be pre-programmed with 10 messages for selection, which can be displayed when the alpha text key is pressed.
Reason#	Certain functions i.e. Void can force the user to make a selection from a list as to the reason, i.e. Damaged, the sales are then totalled accordingly on the reports. It is possible to set if the reason selected will print or report to the financial totalisers as shown above.

Time Periods

Memory allocation determines whether there are 24, 48, or 96 time periods. Time periods will default to hourly periods if 24 periods are selected in memory allocation; 30 minute periods if 48 periods are selected; 15 minute periods if 96 periods are selected.

Time periods can be set to custom lengths using this program. If fewer periods are needed than are available, these periods can be made inactive so that they will not appear on reports. To remove a period, replace the "Y" (active) for the period with an "N" (inactive). All time units are based upon a 24-hour clock
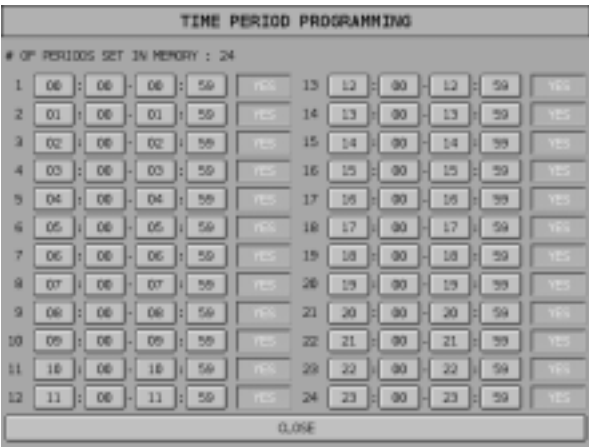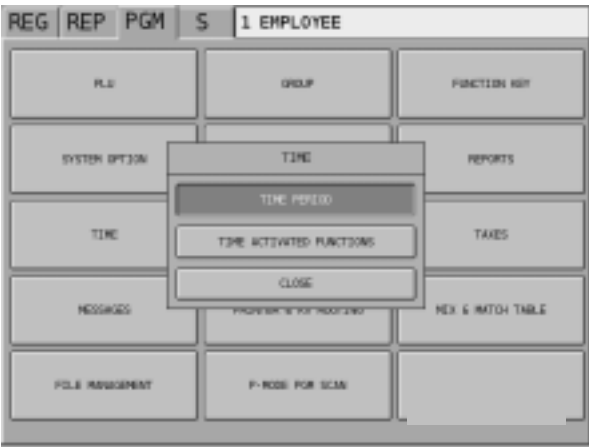
# Of Periods Set In Memory	This is the initial setting of the number of periods
Time Period	Each time period can be altered from the defined time ranges providing no two time periods overlap, time periods can also be suppressed from printing.

Employee

The employee file contains information for register operators as well as employees who use the register only for time keeping.

Specific functions that are allowed or disallowed for each employee are determined by assigning the employee to an authority level.

Two 10 digit code numbers may be assigned for each employee. A time keeping code is used to clock in or out and a separate sign on code used to operate the register. The social security number is for reference only and appears only on reports.

Employee #	This is the sequential program code held by the system
Name	This is the clerk name entry field
Social Sec #	This is a reference field for storing the employees official reference number
Clock In Code	This is the code used for time in/out wages calculations
Operating Code	This is the code used for registration procedures.
Link To Authority Level	Each employee can be linked to one of nine different security levels, defined by the authority program
Job Code 1 - 6	Each employee can perform up to six different jobs from waitress to bar manager. This code number is the reference number from the Job code file for the relevant job description
Pay Rate 1 - 6	Each of the six jobs being performed can be allocated from the pay rate table a different hourly wage rate.
REG – Drawer Port 1	A remote drawer can be allocated on another terminal for transactions.
Training Mode	This sets the employee as a training employee recording no sales totals.
Default Price Level	An employee can automatically change to a specific price level at sign on
Default Screen Level	All employees can have a different screen level when they sign on. For example bar staff can go to the drinks menu and a waiter can go to the food menu.
Manager	This option defines whether the employee is set up as a manager. The option relates to management restrictions in the function key settings.
Edit Job Codes	A breakdown of hours by job is also reported for each employee (The job codes to be used by all employees are set up here). There are 20 possible job codes. Each job code must be given a descriptor here.
Edit Pay Rates	The pay rates to be used by all employees are set up here. There are 50 pay rates each job code for each employee can be allocated a different pay rate
Dallas Key Link	If Dallas keys are being used then the key code is entered here
Sales Area Position	This sets whether the sale functions are displayed on the right or left of the screen as the employee signs on.

Authority

Each employee must be assigned to one of nine authority levels. The selections made here for each authority level determine the operations that are allowed for each employee linked to the level.

Authority Level	The authority level number. Select which authority level to view/modify
Descriptor	Each of the authority levels can be given a description for reference purposes.

|	
Clock In/Out Entry Only	This allows an employee solely to use the time clock feature
Must Clock-In Before Sales	This forces an employee to clock in before any register sales can be made.
Can Clock-Out With Open Chks	This controls whether an employee can close a session with outstanding balances on a check.
Guest Check Entries Only	This provides a restriction on employees allowing them only to operate the check tracking system
Guest# Entry On New Checks	This forces the entry of a guest number on new checks
Payment Of Own Guest Checks	This restricts employees only to allow payment of checks opened by them
Payment Of Any Guest Checks	This provides restriction allowing employees only to receive payment of any checks opened
Transfer Of Guest Checks	This provides a restriction for the transfer of check details between employees
Voiding Of Serviced Items	This allows control of voids within a check tracking system
Allow Cancel After Recall	This allows an employee to use cancel with checks and clerk interrupt sales
Clock In/Out Using MCR	Determines whether time in/out can be carried out using the MCR (peripheral option dependant)
Sign In/Out Using MCR	Determines whether employee sign on can be carried out using the MCR (peripheral option dependant)
Allow Edit Any Checks	The employee can access any open checks with no restriction to those opened exclusively by that employee
Allow Destination Change	This allows the transfer of checks, movement of check numbers
Can Combine Own Soft Chks	This controls access to the ADD CHECK feature, allowing the operator to combine any checks opened by themselves for payment.
Can Combine Any Soft Chks	This controls access to the ADD CHECK feature, allowing an operator to combine any checks by any employee for payment
Table # Transfer In R-Mode	This controls whether it is possible to change the allocated table number within the register mode
Can PLU Prc / Halo Override	This controls whether the pre-set prices and maximum limits of the items can be overridden
Allow Set Date & Time	This controls access to the X mode date and time programming option
Allow Time Clock Edit	This controls access to the X mode time in/out information edit option

Authority

Allow Cash Declaration	This controls access to the X mode cash declaration option
Allow Price Level Change	This restricts access to changing the price level settings.
Allow Employee File Edit	The programming of the employee file can be restricted
Allow Print And Reset Of E.J.	This provides control for the electronic journal reporting
Allow Job Code Edit	This restricts the changing of an employees Job code
Allow Pay Rate Edit	This provides control over employee pay rate programming and amendments
Can Inventory Edit X Mode	This provides control as to where the inventory stock can be accessed for amendments
Allow Authority Level Edit	This provides control for editing the Authority level options.
Comp Seat# For Each Entry	This forces the entry of a seat number within a check tracking sales.
Allow No Sale	This provides restriction for the no sale function operation
Paid Breaks	This determines when an employee has clocked out for a break whether time is paid as part of wage costing.
Compulsory Tip Entry	This forces the operator to enter a tip amount as they clock out of the system
Job Code Change	This controls whether an employee is allowed to change the designated job description and allocated pay rate
Allow PLU Prc Change Only	The program mode can be restricted so the operator can only set product prices
Disallow Stock Add In P	The stock add within the P mode can be restricted to prevent unauthorised access
Disallow Stock Over In P	The stock overwrite option within the P mode can be restricted to prevent unauthorised access.
Disallow Stock Sub In P	The stock subtract option within the P mode can be restricted to prevent unauthorised access.
Do Not Allow PLU Quick Create	This prevents the operator from accessing the P-mode PLU quick create option

Printer Tables and KV Routing

The printing system of an SPS-500 register or system of registers is completely flexible. Up to 40 external printers can be defined and connected to any available serial port on any register within a system. This is in addition to the inbuilt system printer. Multiple printer functions can be assigned to the same printer, giving added flexibility. Before programming these options, it is necessary to have defined the port the printer is connected to within S mode if using external printers.

The following printer options are explained following

— System Printer Configuration   Every printer used within the system must be allocated a printer number
— Kitchen Video Routing   The video display system must be activate within this menu option
— Kitchen Printer Routing   Each route required for printing must be allocated a printer number
— Receipt Printer Routing   Which register is using which receipt printer is set within this option.
— Detail Printer Routing   Which register is using which detail printer is set within this option
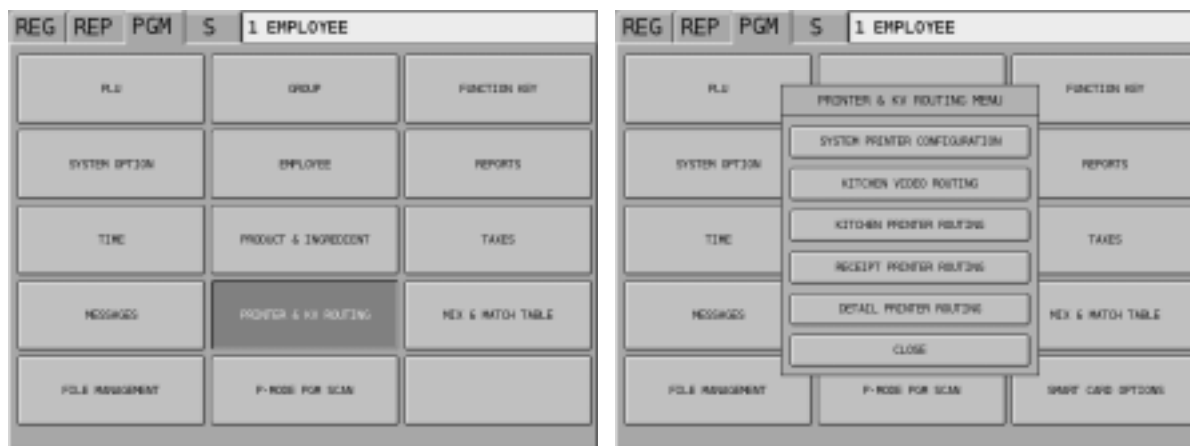
System printer configuration

A list of all external printers and the port they are connected to is allocated within this option. The printer number is then used to allocate receipt, detail, and kitchen printer settings.

Printer	This is a sequential number generated by the system that will be used to refer to the external printer throughout the system.
Descriptor	This is the name of the printer i.e Main Kitchen, this is printed on order tickets.
Main Reg#-Port#	This is the register number and port the printer is physically connected to.
Backup Reg#-Port#	The system allows entry of backup printer, and register.

Kitchen Video Routing

Use Kitchen Video Routing to define the location of the video controller. If you wish to designate a
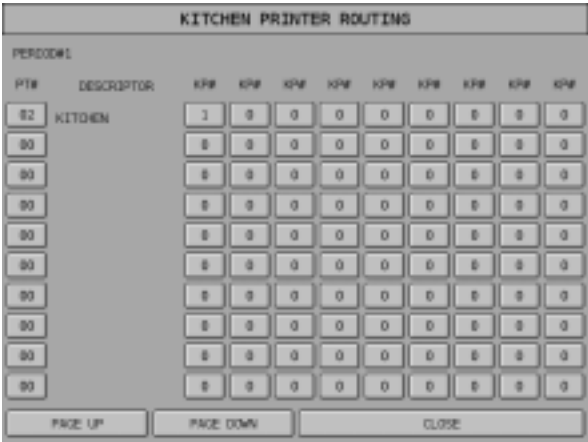backup printer in the event that the video system in not operational, enter the location of the back up
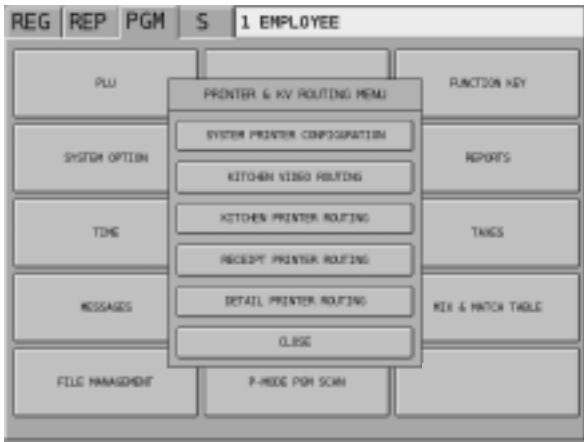

Video #	This is a sequential number generated by the system that will be used to refer to the video throughout the system
Descriptor	This is a description of the task the video will be carrying out i.e. Main Bar 1, Kitchen
Main Reg#-Port#	This is the register number and the physical port number on the register that the video is connected to. This is the MAIN output, which will be used under normal circumstances
Back Up Printer#	This is the backup printer number on the register that the video is connected to, which will be used when there is no access to the normal route

Kitchen Printer Routing

PLUs are linked to PLU Status Groups which are linked to KP Groups. The following determines which printer prints which KP group.

In addition there are four pages of printing that can be allocated, to allow products to be printed on different printers depending on the settings or operation. These pages can be changed automatically as a time functions using the KP routing key, with the current route optionally displayed on the register screen. The pages can also be set individually per terminal if required.

Period#1	Using the Page up / Page down will access the four periods, each of which can be set with their own printer layouts, changed manually with the KP route key or automatically with timed events.
	For Example during the day printer 1 may printer all items, Starters, Mains but in the evening printer 1 may print the Starters and Printer 2 the mains.
Pt#	The printer is chosen by entering the number it was given during creation in the system printer list, shown previously.
KP#	Each printer, can print a selection of the kitchen printer groups. For example PLUs may be linked to Status Groups for Starters, Mains, Dessert. These status groups can be linked to 1 to 9 printer groups.
	The printers are then allocated printer groups. I.e. Printer Starters on printer 1 and Mains on Printer 2. The most common scenario is to allocate all printer groups 1 to 9 to the printer.

Printer Routing

This controls the routing of the external receipt printer, defining which terminal the printer is connected to; this is a master list for the whole network.

Register#	This is the register number that requires a receipt printer; all registers must be allocated within this section
Printer#	This is the printer number allocated in system printer configuration that is to be used. The information will then be routed down the channel which was configured in that section

Detail Printer Routing

This controls the routing of the external journal printer defining which terminal the printer is connected to. This is a master list for the whole of the network.

Register#	This is the register number that requires a detailed journal printer; all registers must be allocated within this section
Printer#	This is the printer number allocated in system printer configuration that is to be used. The information will then be routed down the channel, which was configured in that section

Ingredient Inventory

It is possible to program products with a recipe number. When the product is sold the recipe is checked and the ingredient stock updated, providing stock and costing analysis.

INGREDIENT PROGRAMMING		
INGREDIENT#	DESCRIPTOR	COST
001	BURGER	000.200
002	BREAD BUN	000.060
003	KETCHUP	000.010
004		000.000
005		000.000
006		000.000
007		000.000
008		000.000
009		000.000
010		000.000
PAGE UP	PAGE DOWN	CLOSE

RECIPE# 1 PROGRAMMING				
RECIPE#	1	DESCRIPTOR		BURGER MEAL
	ING/RECIPE	#	DESCRIPTOR	QTY
01	INGREDIENT	01	BURGER	02.000
02	INGREDIENT	02	BREAD BUN	01.000
03	INGREDIENT	03	KETCHUP	01.000
04	INGREDIENT	00		00.000
05	INGREDIENT	00		00.000
06	INGREDIENT	00		00.000
07	INGREDIENT	00		00.000
08	INGREDIENT	00		00.000
09	INGREDIENT	00		00.000
10	INGREDIENT	00		00.000
PAGE UP	PAGE DOWN		CLOSE	

Ingredient#

It is possible to program a list of ingredients, which can then be linked to create a recipe. This recipe is then allocated to a PLU number to ensure that the stock is deducted from the relevant ingredients

Descriptor	This is the description of the ingredient
Cost	This is the cost of the ingredient to the smallest possible usage i.e. gram, etc. that will be required

Recipe Table

It is possible to link ingredients together to form a complete menu. Recipes can also be linked to other recipes to form a more comprehensive inventory.

Recipe#	The first section is the sequential recipe reference number
Descriptor	This section enables you to put in a descriptor for the recipe
Ing/Recipe	This indicates whether the item to be entered is an ingredient file or a recipe ready to be included into this recipe
#	This is either the ingredient number or the recipe number depending on the ING/RECIPE answer
Ing/Recipe Descriptor	This automatically displays the description related to the code number entered as an ingredient
Qty	This is the quantity of the ingredient to be updated when the relevant PLU linked to this recipe is sold.

Time Activated Program

Price Level

This automates the change to any of the twenty '*price sets*' at specific times, on specific days, reverting back when the next price level is timed to commence.

Price Level #	The system allows one of 20 prices to be allocated to 5 Product price levels. This is the price level 1 to 20 which when selected will allow only sale of the products within the price level number, allocated to one of the 5 price slots.
Activate At	This is the Start Time for the time activated Price Level.
End Time	This is the time the screen will revert back to another Price Level
End Time Price Level	This is the price level which will be used at the end of the time activation
Week / Activate	Days of the week and specific dates can be included and excluded as required from this timed scheduled
Prompt for Confirmation	This forces the users to accept or decline the timed action with a Yes / No prompt

Screen Level

This automates the change of Screens at specific times, on specific days, reverting back when the next screen level is timed to commence.

Screen Level Number	This is the number of the screen which will be time activated.
Activate At	This is the Start Time for the time activated Screen Level
End Time	This is the time the screen will revert back to another screen.
End Time Screen Level	This is the Screen which will be shown at the end of the time activation
Week / Activate	Days of the week and specific dates can be included and excluded as required from this timed scheduled
Prompt for Confirmation	This forces the users to accept or decline the timed action with a Yes / No prompt.

Time Activated Program

Keyboard

This automates the change of the 5 Keyboard levels at specific times, on specific days, reverting back when the next level is timed to commence.
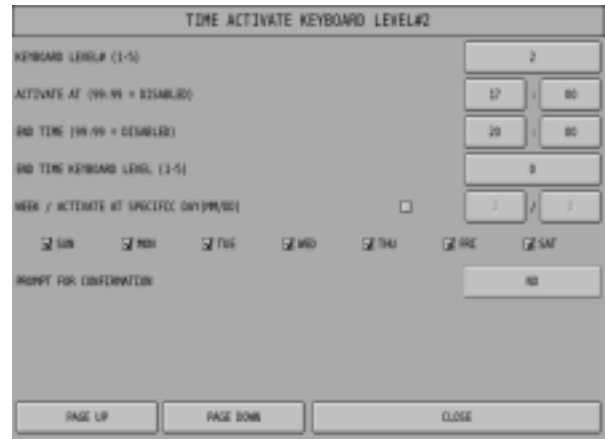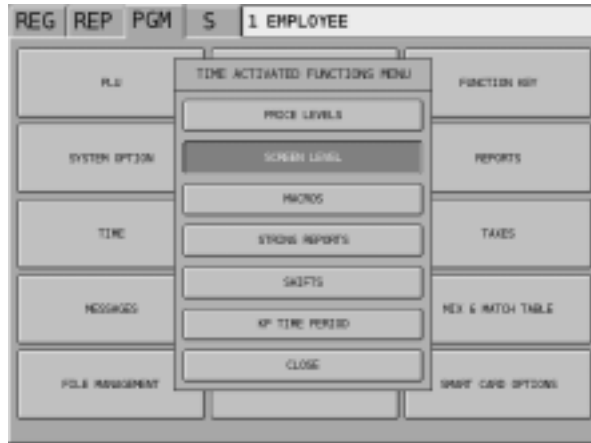
| Keyboard Level	This is keyboard level 1 to 5 which will be activated.
Activate At	This is the Start Time for the time activated keyboard
End Time	This is the time the keyboard will revert back to another keyboard
End Time Keyboard Level	This is Keyboard which will be used at the end of the time activation
Week / Activate	Days of the week and specific dates can be included and excluded as required from this timed scheduled
Prompt for Confirmation	This forces the users to accept or decline the timed action with a Yes / No prompt.

Macros

This automates, the macro keys, which in turn run a sequence of function key presses. These run at specific times on specific days, reverting back when the next screen level is timed to commence. There are pre-programmed key sequences stored as macro; the automation will activate the sequence allocated to the macro key 1 - 40 that is selected.
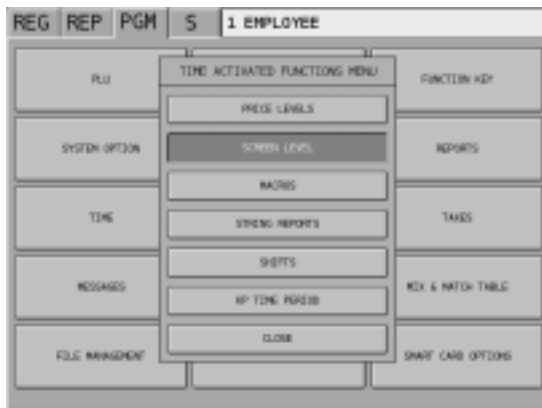
Macro#	This is the macro key number to be automated
Activate At	This is the time when the function is to be activated
Repeat Every Minute	It is possible to repeat the function every few minutes. This forms a continuous loop, and it is imperative you are aware of the actions to be carried out.
Week / Activate	Days of the week and specific dates can be included and excluded as required from this timed scheduled
Prompt for Confirmation	This forces the users to accept or decline the timed action with a Yes / No prompt

Time Activated Program

String Reports

This automates the reporting, running a preset collection of reports at specific times, on specific days.

String Report#	This is the report number to be automated
Activate At (99:99 = Disabled)	This is the time when the report is to be activated
Repeat Every Minute (0 - No Repeat)	It is possible to repeat the function every few minutes. This could create a continuous loop, and is therefore imperative you are aware of the actions to be carried out.
Week / Activate	Days of the week can be included and excluded as required from this automation
IRC Option:	This gives you the option of Stand-Alone or IRC all
Reg# Issues IRC String Report	The Register number that the string report has been created on needs to be entered in here

Shifts

The system has a shift report comprising of 4 shifts. A new shift can be activated manually or automated. This will start a new period of financial storage.

Description	This enables a name to be allocated to each shift.
Start / End Time	This is the time the shift commences/ends

Time Activated Program

KP Time Period

It is sometimes necessary to change kitchen printer routing depending upon the time of day.

For example : -

Separate hot and cold food kitchens may be active during lunch and a single kitchen active during dinner, it is possible to make assignments for four different periods. The active routing period can be controlled automatically to change the product printer.

Routing can also be activated centrally using one master terminal or each terminal independent. If kitchen printer changes are not required to be timed, the routing can be changed at the register using the KP routing key.
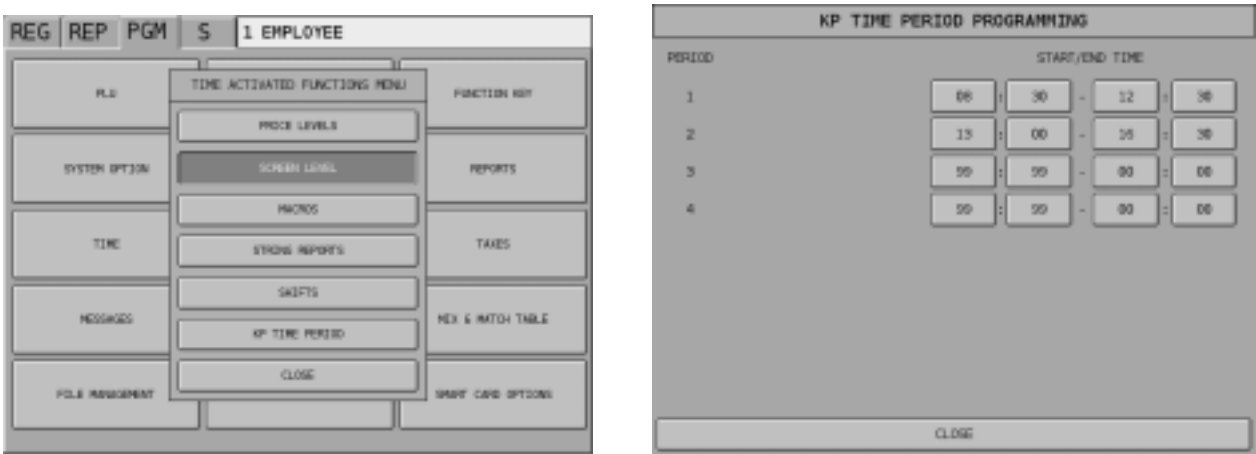
Start Time	This is the time the switch to a different kitchen period will change
End Time	This is the time the switch to the new range of kitchen printer will end.

Product Mix Groups

Product mix groups can be used to program each product with a piece count usage of a case, with the product group defining how many units are in each outer. This will then provide reporting on how many units and case have been used per group, per time period with option of seven day, four-week projections

Product Mix Groups

The product mix groups are allocated to a PLU when the product is sold the PLU piece count is checked, and the product group updated by the usage of the piece count. Multiple PLU's can be linked to one Mix group

Item#	This is a sequential product mix group number
Descriptor	This is description of the item to be tracked i.e. beef burgers
Pcs/Units	This is the number of items in case i.e. 12 burgers per case
Unit Desc	This is the description of the case i.e. 12 Burgers are a DOZEN

Product Mix Time Period

Memory allocation determines whether there are 24-Hourly, 48-Half Hourly or 96 - 15mins product mix time periods. Periods can be set to custom lengths using the program. If fewer periods are needed than are available, these can be unused deactivated, using the Y/N toggle.

Promotion Tables

The register features promotional tables, discounting products based on the number of products sold and a preset discount amount. Reporting per promotion table is available.

- **Mix & Match** Buy any PLU in this table and get £ off   i.e Buy any 3 soft drinks and get a 50p discount
- **Multi Buy**   Buy these exact PLU's and get £ off   i.e. Buy 1 Coke and 1 Sandwich and get a 50p discount
- **Fixed Price**   Buy these exact PLUs and pay £   i.e Buy any 2 Starters and pay £5

The following new promotion files are required within the memory allocation

- **# of Items for Promotion table**   This is the Max items in a MULTI BUY or FIXED PRICE Promotion

- # **of Promotion tables**   This is the number of promotion tables available

Promotion Table#	This is the mix and match table number; this will be allocated to the PLU products to activate the Promotion
Descriptor	This is the Promotion description that will be printed on the sales receipts, indicating the reason for the discount i.e. 2 for 1, or Buy one get one free
Discount Price	This field is used with all three promotion types. Multi Buy and Mix & Match uses the discount price as a amount off the products when tripped. Where as the discount price becomes the fixed price when using the Fixed Price promotion
Fixed Qty	This is the number of items that must be sold, for the mix and match type before the offer discount is given.

Promo Type (Mix & Match, Multi Buy, Fixed Price)	In this box one of the three options must be selected using the arrow keys at the end of the field
	
	When programming **Multi Buy** or **Fixed Price** offers the screen will be shown with the additional grid entry
	
	The PLU number followed by the exact quantity is entered into the grid
	 i.e. Buy 1 Coke
	        1 Sandwich
	        and get a 50p discount

Custom Report

One custom report can be created with up to 50 totals and counters. The report is built by selecting totals that also appear on other register reports. The custom report also has the ability to add or subtract selected totals to create a new subtotal of selected information.
When the custom report is cleared the reports from which the totals were selected are left untouched.
The custom report is not available across the IRC network.

#	This represents the line number of the report.
Rpt#	The reports that can be used are Financial and Sales by Time period.
Ttl#	This is the totalisers from the report i.e. Report 1 financial total 1 (line 1) +PLU LVL 1 TTL also 999 - Provides a custom subtotal line 998 - Prints a dashed line separator
Red	Print in RED providing the printer has red/black capabilities or (Inverse on thermal)
+ / -	This is used to indicate if the total on this line is to be added or subtracted to create a new subtotal.
Descriptor	This is the default description of the totalisers selected to be modified.

Edit Existing Reports

It is possible to determine whether information is printed in black or printed in red on existing financial and employee reports. This works in-conjunction with the zero skip system flag.

Ttl#	This represents the line number of the report.
Descriptor	This is the description of the field.
Print	This determines if the field will be printed on the report. This is a Yes/No option
Red	This determines whether the field will print RED (inverse on thermal printers)

String Reports

It is possible to group commonly used reports together for printing when string report is selected from the report menu. It is also possible using the timed activation function to automate the report printing.

String Report #	This is the number of the report to be programmed
Descriptor	This is the name that will appear on the report menu.
#	This is the sequential order of the reports.
X/Z	This determines what type of report is to be printed X - Read, Z-Reset or current, depending on the position of the mode lock at that time.
Rpt Lvl (1-5)	This relates to the reporting area any one of the five can be selected for reporting
Rpt#	This is the report number to be printed
Descriptor	This is the name of the report to be printed

Copy PLU Program

In order to assist with quick and efficient programming the system allows the copying of certain program types, such as item groups. This eliminates the need for repetitive programming. The following files can be copied, with the Copy PLU allowing the additional feature of field by field selection.

— **Copy PLU**
Used to copy the information held against an individual PLU to another saving time and energy on repetitive programming. This can be done singularly i.e. one PLU to another or by enabling the system flag PLU copy by range, from one PLU to a range of other PLU's

— **Copy PLU Status Group**
Used to copy the information held against an individual PLU Program STATUS GROUP to another range of groups. This saves both time and energy on repetitive programming.

— **Copy Groups By Employee**
This copies from one employee to another the 30 group numbers allocated for group by employee reporting.

From PLU	This is the PLU code from which items are to be copied
To PLU Range	This is the Starting and Ending to which the from PLU data is to be applied
Between PLU #	This is the increment for the Starting and Ending Range i.e. if set to 5 and the copy range is 1 to 20 then PLUs 1,5,10,15 and 20 will be copied with the selected settings.
Select All	This determines which fields are copied to the selected Range

Program Terminal to Terminal

It is possible to backup and restore the program and load the files between registers. Alternatively this options transfers the program from one register to another using the IRC cable. It is possible to transfer all or selected files to all or selected registers. In the IRC system.
Note :- The Memory Allocation should match in all file sizes for both the receiving and sending terminals

--
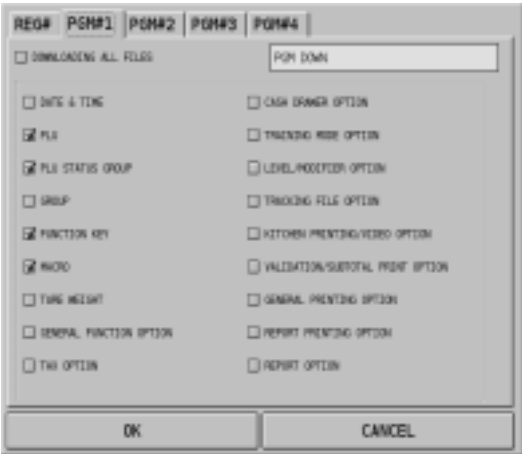
Program Scans

This function allows you to print copies of the terminal programming.
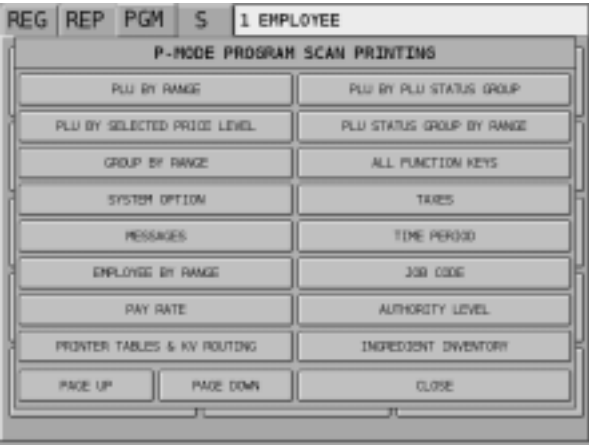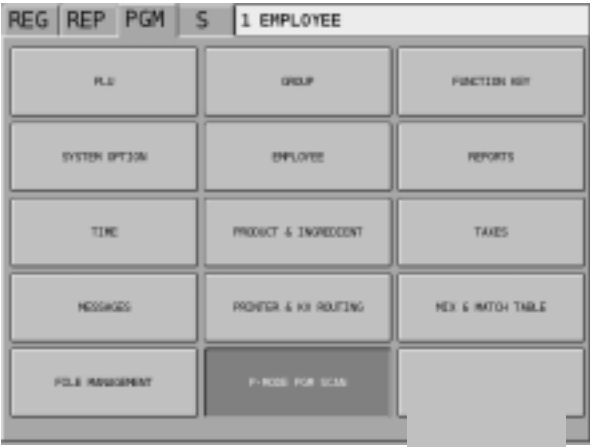
| **Program Scan Printing** | The individual file is selected and where prompted the relevant range is entered. |

Groups by Employee

It is possible to report sales groups by individual employees, There is a maximum of 30 groups that can be linked to each employee with a different 30 for employee code.

Group By Employee#	The employee number to be programmed is entered
Group#1	The 30 groups are selected for sales reporting per employee form the 99 available.

Reports Menu

Reports Menu

Report Menu Layout

There a two reporting modes

X – Display / Print without **Resetting**
Z - Display / Print and **Reset**

- Once an operator has signed on and turned the key to the appropriate **X** or **Z** position then the report menu is shown.

- The required report type is selected from the menu screen shown.

- Once the report type is selected, i.e. Financial further reports are shown for selection

- It is then possible to select the **Report Level** 1 to 5 which represents which periodic totaliser the report is to be run for i.e. 1.Daily 2.Weekly etc

- If the system is running multiple terminals, the **IRC** icon allows selection of the required number of registers.

- The report is displayed once selected, and can be **Printed** as required.

- For reset reports taken in the Z position the sales, are cleared when **CLOSE** is pressed

X Report Mode – Cash Declaration

Cash Declaration

- When compulsory declaration is set in the program options, the count of monies in drawer must be entered here before reports can be taken

Cash Declaration

- The screen shown is used to enter the exact amount of monies for each tender type

X Reports Menu – Manager Functions

Setting the Date and Time

- The current Date and Time is programmed in this section

RTC SETTING

00:35:02   30-12-2005 FRI

INPUT DATE/TIME(DDMMYYYYHHMMSS)

7	8	9
4	5	6
1	2	3
0	00	←

| OK | CANCEL |

Employee Time Clock Edit

- Daily, weekly or period-to-date time clock errors can be corrected with this function.

Daily Time Clock Edit

- Daily time entries can be amended for each operator

TIME CLOCK EDIT X/Z1(DAILY)

#1 1 EMPLOYEE   DATE : TUE 28-04-2009

TIPS :   00000000.00

IN (MM/DD HH:MM)	OUT (MM/DD HH:MM)	BREAK	JOB#	JOB NAME
04/28 17:07	-	00/00 00:00	N0	01	JOB#1
00/00 00:00	-	00/00 00:00	N0	00	
00/00 00:00	-	00/00 00:00	N0	00	
00/00 00:00	-	00/00 00:00	N0	00	
00/00 00:00	-	00/00 00:00	N0	00	

| PAGE UP | PAGE DOWN | SAVE | CLOSE |

Weekly Time Clock Edit

- The hours worked can be amended for any clocked in employee

TIME CLOCK EDIT X/Z2

#1 1 EMPLOYEE

TIPS :   00000000.00

JOB#1	0000:00	REG	0000.00	OT
	0000:00	REG	0000.00	OT
	0000:00	REG	0000.00	OT
	0000:00	REG	0000.00	OT
	0000:00	REG	0000.00	OT
	0000:00	REG	0000.00	OT

| SAVE | CLOSE |

X Reports Menu – Edit Inventory

Edit Inventory Operation

The system allows products to be linked to recipes. When sold the recipe will be checked and the ingredient stock will be updated.

The ingredient stock can be updated using the following screen to enter deliveries, wastage etc.

Actual Inventory
This is the field for entering the current stock

Receipt
This is the field for entering the quantity delivered

Transfer In
This is the field for entering the quantity of goods transferred in

Transfer Out
This is the field for entering the quantity of goods transferred out

Raw Waste
This is the field for entering wastage of items

X Reports Menu – FTP (file transfer)

FTP Files

Providing the cash register has an approved connection to the internet, Reports can be uploaded to an FTP site.

- The **FTP** icon is selected from the menu.

- The screen shown opposite is used to enter the FTP site details.

- The Connect icon is selected.

- If a valid connection is made the reports become available for selection.

The reports to upload can be selected

- Tick the required reports and **Z1 to Z5** reporting period

- Select the **Report Type**, I.e. X or Z

- For multiple register communication select **IRC**

- Once uploaded the reports can be viewed on the FTP Site.

- Using an internet browser logged onto the FTP site

Reports Menu – Sample Reports

Financial	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Sales by Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
All PLU's	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
From / To PLU's	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
PLU's by Group	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
PLU's by Group for Selected Group	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Top 20 PLU's	X1 to X5 read only	INDIVIDUAL & IRC
PLU Zero Sales	X1 to X5 read only	INDIVIDUAL & IRC
PLU Zero Sales by Group	X1 to X5 read only	INDIVIDUAL & IRC
PLU Sales by Price Level	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Mix and Match report	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Not Found	X1 & Z1 only	INDIVIDUAL
Employees	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Individual Employees	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Employee Currently Signed on	X1 & Z1 also X5 to Z5	INDIVIDUAL
Groups by Employee	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Groups	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
From/To Groups	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Selective Groups	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Drawer Totals	X1 to X5 read only	INDIVIDUAL & IRC
Drawer 1/2/3	X1 to X5 read only	INDIVIDUAL & IRC
Labour Groups	X1 & Z1 also X5 to Z5	IRC
Sales & Labour %	X1 & Z1 also X2 & Z2	IRC
Daily Sales	X1 & Z1	INDIVIDUAL & IRC
Groups By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Destination by Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Track 1 By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Track 2 By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Track 3 By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Track 4 By Time Period	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Checks for Track 1	X1 & Z1	IRC from REG holding data
Checks for Track 2	X1 & Z1	I IRC from REG holding data
Checks for Track 3	X1 & Z1	IRC from REG holding data
Checks for Track 4	X1 & Z1	IRC from REG holding data
Checks for Selected Employee	X1 & Z1	IRC from REG holding data
Checks for Current Employee	X1 & Z1	IRC from REG holding data
Checks for Track 1,2,3,4	X1 & Z1	IRC from REG holding data
Product Mix	X1 & Z1 also X2 & Z2	INDIVIDUAL & IRC
Product Projections	X1 read only	INDIVIDUAL & IRC
Station Totals	X1	IRC
Active Employees – time keeping	X1 read only	IRC
Daily Time Keeping	X1 & Z1 also X5 to Z5	IRC
Shift Reporting	X1 & Z1	INDIVIDUAL & IRC
Inventory	X1 & Z1	IRC
PLU Stock	X1 & Z1	INDIVIDUAL & IRC
Stock by PLU Range	X1 & Z1	INDIVIDUAL & IRC
Stock by Group	X1 & Z1	INDIVIDUAL & IRC
Stock by Individual Group	X1 & Z1	INDIVIDUAL & IRC
Food Cost	X1 & Z1	IRC
PLU Minimum Stock	X1 & Z1	INDIVIDUAL & IRC
Electronic Journal	X1 & Z1	INDIVIDUAL
String Report 1 – as defined by program	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
String Report 2 – as defined by program	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
String Report 3 – as defined by program	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
String Report 4 – as defined by program	X1 & Z1 also X5 to Z5	INDIVIDUAL & IRC
Custom Report	X1 & Z1	INDIVIDUAL
Pre-Poll Report – Hard Copy Print Out	X1 & Z1	INDIVIDUAL & IRC
Outstanding interrupt balance	X1 & Z1	INDIVIDUAL OR IRC

Reports Menu – Sample Reports

Financial Report

```
FINANCIAL REPORT                        R/A 1                  00.00      000.00
                                        R/A 2                  00.00      000.00
X1 REPORT                     0003      R/A 3                  00.00      000.00
                                        R/A 4                  00.00      000.00
DESCRIPTOR        COUNT      TOTAL      R/A 5                  00.00      000.00
+PLU TTL          00.00     000.00      P/O 1                  00.00      000.00
-PLU TTL          00.00      000.00     P/O 2                  00.00      000.00
ADJUSTED TTL      00.00    000.00       P/O 3                  00.00      000.00
-----------------------------------     P/O 4                  00.00      000.00
NON-TAX           00.00      000.00     P/O 5                  00.00      000.00
TAX1 SALES        00.00     000.00      AUDACTION        00.00      000.00
TAX2 SALES        00.00     000.00      #/NO SALES       00         000.00
TAX3 SALES        00.00     000.00      -----------------------------------
TAX4 SALES        00.00     000.00      CASH-IN-DRAWER 00.00       000.00
TAX5 SALES        00.00     000.00      CHECK-IN-DRAWR 00.00       000.00
TAX6 SALES        00.00     000.00
                                        MISC TEND 1      00.00      000.00
TAX1              00.00      000.00     MISC TEND 2      00.00      000.00
TAX2              00.00      000.00     MISC TEND 3      00.00      000.00
TAX3              00.00      000.00     MISC TEND 4      00.00      000.00
TAX4              00.00      000.00     ………。
TAX5              00.00      000.00
TAX6              00.00      000.00     MISC TEND 16     00.00      000.00
                                        DRAWER TOTAL    00.00     000.00
EXEMPT TAX1       00.00     000.00      -----------------------------------
EXEMPT TAX2       00.00     000.00      PROMO                  00         000.00
EXEMPT TAX3       00.00     000.00      WASTE                  00         000.00
EXEMPT TAX4       00.00     000.00
EXEMPT TAX5       00.00     000.00      TRAINING TOTAL   00.00     000.00
EXEMPT TAX6       00.00     000.00
-----------------------------------     PREVIOUS BAL     00.00     000.00
DESTINATION1      00.00    000.00       TIP 1                 00.00
DESTINATION2      00.00    000.00       000.00
DESTINATION3      00.00    000.00       TIP 2                  00.00
-----------------------------------     000.00
%1                00.00      000.00     TIP 3                 00.00
%2                00.00      000.00     000.00
%3                00.00      000.00
%4                00.00      000.00     GUESTS                00
%5                00.00      000.00     -----------------------------------
%6                00.00      000.00     AVERAGE               000.00
%7                00.00      000.00
%8                00.00      000.00     EMPLOYEE:     EMPLOYEE1       #01
%9                00.00      000.00     TIME 09:03              NO.000000
%10               00.00     000.00

NET SALES         00.00     000.00
-----------------------------------
CREDIT TAX1       00.00     000.00
CREDIT TAX2       00.00     000.00
CREDIT TAX3       00.00     000.00
CREDIT TAX4       00.00     000.00
CREDIT TAX5       00.00     000.00
CREDIT TAX6       00.00     000.00

MDSE RETURN      00.00     000.00
ERROR CORRECT   00.00     000.00
PREVIOUS VOID    00.00     000.00
TRANS VOID       00.00     000.00
CANCEL            00.00     000.00

GROSS SALES      00.00    000.00
-----------------------------------
CASH SALES       00.00     000.00
```

Reports Menu – Sample Reports

Sales by Time Period

```
SALES BY TIME PERIOD REPORT

X1 REPORT                   0003
TIME PERIOD  #/CUSTOMERS   TOTAL
08:00 - 09:00        3     11.54
09:00 - 10:00       15    186.82
11:00 - 12:00        6      7.99


TOTAL               38    355.07
EMPLOYEE:     EMPLOYEE 1  #01
TIME 09:03           NO.000000
```

PLU

The PLU is available in the following formats with optional field prints, as set within the system options,
i.e Promotion / Wastage totals

- All PLU's
- From/To PLU's
- PLU's By Group
- PLU's By Group For Selected Group
- Top 20 PLU's
- PLU Zero Sales
- PLU Zero Sales By Group
- PLU Sales By Price Level

```
PLU REPORT

X1 REPORT                         0003

ITEM          PROMO  WASTE USAGE PLU %
  PLU#         GROUP  COUNT       TOTAL
----------------------------------------
HAMBURGER          1     2     6   50.00%
 00000000000001  01   3             3.00
CHEESE BURGER      1     4     8   50.00%
 00000000000001  01   3             3.00


----------------------------------------
TOTAL              2     6    14
                         6           6.00

EMPLOYEE:     EMPLOYEE 1         #01
TIME 09:03              NO.000000
```

Reports Menu – Sample Reports

Employee

- Individual Employee
- Employee Currently Signed On
- Active Employee

```
EMPLOYEE REPORT

X1 REPORT                         0003
EMPLOYEE #0001 DEBI BARTON

DESCRIPTOR          COUNT         TOTAL

NON-TAX             00.00        000.00
TAX1 SALES          00.00        000.00
TAX2 SALES          00.00        000.00
TAX3 SALES          00.00        000.00
TAX4 SALES          00.00        000.00
TAX5 SALES          00.00        000.00
TAX6 SALES          00.00        000.00

TAX1                00.00        000.00
TAX2                00.00        000.00
TAX3                00.00        000.00
TAX4                00.00        000.00
TAX5                00.00        000.00
TAX6                00.00        000.00

EXEMPT TAX1         00.00        000.00
EXEMPT TAX2         00.00        000.00
EXEMPT TAX3         00.00        000.00
EXEMPT TAX4         00.00        000.00
EXEMPT TAX5         00.00        000.00
EXEMPT TAX6         00.00        000.00
----------------------------------------
DESTINATION1        00.00        000.00
DESTINATION2        00.00        000.00
DESTINATION3        00.00        000.00
----------------------------------------
%1                  00.00        000.00
%2                  00.00        000.00
%3                  00.00        000.00
%4                  00.00        000.00
%5                  00.00        000.00
%6                  00.00        000.00
%7                  00.00        000.00
%8                  00.00        000.00
%9                  00.00        000.00
%10                 00.00        000.00

NET SALES           00.00        000.00
----------------------------------------
CREDIT TAX1         00.00        000.00
CREDIT TAX2         00.00        000.00
CREDIT TAX3         00.00        000.00
CREDIT TAX4         00.00        000.00
CREDIT TAX5         00.00        000.00
CREDIT TAX6         00.00        000.00

MDSE RETURN       00.00        000.00
ERROR CORRECT     00.00        000.00
PREVIOUS VOID     00.00        000.00
TRANS VOID        00.00        000.00
CANCEL              00.00        000.00
```

```
GROSS SALES      00.00        000.00
----------------------------------------
CASH SALES       00.00        000.00

R/A 1                  00.00        000.00
R/A 2                  00.00        000.00
R/A 3                  00.00        000.00
R/A 4                  00.00        000.00
R/A 5                  00.00        000.00
P/O 1                  00.00        000.00
P/O 2                  00.00        000.00
P/O 3                  00.00        000.00
P/O 4                  00.00        000.00
P/O 5                  00.00        000.00
AUDACTION        00.00        000.00
#/NO SALES          00        000.00
----------------------------------------
CASH-IN-DRAWER 00.00       000.00
CHECK-IN-DRAWR 00.00       000.00

MISC TEND 1      00.00        000.00
MISC TEND 2      00.00        000.00

MISC TEND 16     00.00        000.00

DRAWER TOTAL   00.00        000.00
----------------------------------------
PROMO                  00        000.00
WASTE                  00        000.00

TRAINING TOTAL   00.00        000.00

PREVIOUS BAL     00.00        000.00
TIP 1                   00.00
000.00
TIP 2                   00.00
000.00
TIP 3                   00.00
000.00
GUESTS                  00
----------------------------------------
AVERAGE                      000.00

EMPLOYEE:      EMPLOYEE1        #01
TIME 09:03                 NO.000000
```

Reports Menu – Sample Reports

Group

```
GROUP REPORT

X1 REPORT                 X1 0003  X2
0001

 # GROUP          COUNT
TOTAL     %
01 DESCRIPTOR   000000 00000.00 0.00
02 DESCRIPTOR   000000 00000.00 0.00

GROUP TOTAL     000000 00000000.00

EMPLOYEE:      EMPLOYEE 1
#01
TIME 09:03
NO.000000
```

Drawer Totals

```
DRAWER TOTALS REPORT

X1 REPORT                X1 0003  X2 0001

CASH-IN-DRAWER    00.00      000.00
CHECK-IN-DRAWER  00.00       000.00

MISC TEND 1            00.00      000.00
MISC TEND 2            00.00      000.00
MISC TEND 3            00.00      000.00
MISC TEND 4            00.00      000.00
MISC TEND 5            00.00      000.00
MISC TEND 6            00.00      000.00

MISC TEND 16      00.00      000.00
DRAWER TOTAL      00.00      000.00

EMPLOYEE:      EMPLOYEE1      #01
TIME 09:03                     NO.000000
```

Labour Groups

```
LABOUR GROUPS REPORT

X1 REPORT                X1 0003  X2 0001

DESCRIPTOR                     HOURS
COUNTER HELP                    0.00
KITCHEN STAFF                   0.00
MANAGER                         0.00

TOTAL TIME WORKED               0.00
AVG. DAILY LABOR COST      $00.00

EMPLOYEE:      EMPLOYEE1      #01
TIME 09:03                   NO.000000
```

Reports Menu – Sample Reports

Sales and Labour %

```
SALES AND LABOUR % REPORT
X1 REPORT                 X1 0003  X2 0001

00:00 - 01:00
01:00 - 02:00
  CUST:          0 NET SALES        0000.00
                   AVG/CUST:          00.00
  HRS LABOR:     0 LABOR COST:      0000.00
                   %/NET SALES:       00.00
  LABOR$/CUST:                        00.00
  SALES/MANHOUR:                     000.00
---------------------------------------
TOTAL
  CUST:          0 NET SALES:       0000.00
                   AVG/CUST:          00.00
  HRS LABOR:     0 LABOR COST:      0000.00
                   %/NET SALES:       00.00
  LABOR$/CUST:                        00.00
  SALES/MANHOUR:                     000.00

EMPLOYEE:       EMPLOYEE 1          #01
TIME 09:03                   NO.000000
```

Daily Sales

```
DAILY SALES REPORT

X1 REPORT               X1 0003  X2 0001
DAY                 COUNT      TOTAL
1                     3            11.54
2                    15           186.82
3                     6             7.99
13                    1             2.40
17                   13           146.82

TOTAL                38          355.07
EMPLOYEE:     EMPLOYEE 1        #01
TIME 09:03                   NO.000000
```

Group by Time Period

```
GROUPS BY TIME PERIOD REPORT
X1 REPORT               X1 0003  X2 0001

TIME PERIOD   CUST  TOTAL      AVG/TRANS
00:00 - 01:00 9999 99999999.99   99.99
                     COUNT        TOTAL
  GROUP 1            999999.99 99999999.99
  GROUP 2            999999.99 99999999.99
  GROUP 3            999999.99 99999999.99


TIME PERIOD   CUST  TOTAL      AVG/TRANS
01:00 - 02:00 9999 99999999.99   99.99
                     COUNT        TOTAL
  GROUP 1            999999.99 99999999.99
  GROUP 2            999999.99 99999999.99
  GROUP 3            999999.99 99999999.99

EMPLOYEE:       EMPLOYEE                #01
TIME 09:03                   NO.000000
```

Reports Menu – Sample Reports

Destination by Time Periods

```
EAT-IN BY TIME PERIOD REPORT

X1 REPORT               X1 0003  X2
0001

TIME PERIOD         COUNT       TOTAL
00:00 - 01:00    999999.99 99999999.99
01:00 - 02:00    999999.99 99999999.99
03:00 - 04:00    999999.99 99999999.99
04:00 - 05:00    999999.99 99999999.99
05:00 - 06:00    999999.99 99999999.99

TOTAL               999999.99 99999999.99

EMPLOYEE:      DEBI BARTON        #01
TIME 09:03                   NO.000000
```

Track by Time Periods

```
TRACK 1 BY TIME PERIODS REPORT

X1 REPORT               X1 0003  X2 0001

TIME PERIOD         COUNT       TOTAL
00:00 - 01:00    999999.99 99999999.99
01:00 - 02:00    999999.99 99999999.99
03:00 - 04:00    999999.99 99999999.99
04:00 - 05:00    999999.99 99999999.99
05:00 - 06:00    999999.99 99999999.99

TOTAL               999999.99 99999999.99

EMPLOYEE:      EMPLOYEE1          #01
TIME 09:03                   NO.000000
```

Open Check Track

```
OPEN CHECK FOR TRACK 1 REPORT

X1 REPORT               X1 0003  X2
0001

TBL#  CHECK#  G# EMPLOYEE   TIME   BAL
  1     100    2 STEVE     11:11 99.99

TOTAL                        9999.99

EMPLOYEE:      DEBI BARTON        #01
TIME 09:03                   O.000000
```

Reports Menu – Sample Reports

Product Mix

```
PRODUCT MIX REPORT

X1 REPORT              X1 0003  X2
0001

PRODUCT/TIME UNIT#PC   COUNT   TOTAL
BOTTLE BECKS (CASE) 00:00-05:59
0001#084   204     222.36
 00:00-15:59 0001#084    204  222.36
 00:00-23:59 0001#084    204  222.36
   TOTAL      0005#012   612  667.08

EMPLOYEE:    EMPLOYEE1        #01
TIME 09:03              NO.000000
```

Product Projections

```
PRODUCT PROJECTIONS REPORT

X1 REPORT           X1 0003  X2 0001

PRODUCT PROJECTIONS    WED

BOTTLE BECKS (CASE)
  TIME    WEEK1 WEEK2 WEEK3 WEEK4  AVG
06:00-07:59   5     5    5     5    5
08:00-08:29  10    20   30    40   25
08:30-08:59   0     0    0   700  175
09:30-09:59   0     0   68     1   17
  TOTAL      15    25  103   746  222

EMPLOYEE:    EMPLOYEE1         #01
TIME 09:03              O.000000
```

Station Total Report

```
STATION REPORT

X1 REPORT              X1 0003  X2
0001

REG# 01:          COUNT       TOTAL
NET SALES      999999.99 99999999.99
GROSS SALES    999999.99 99999999.99
DRAWER 1       999999.99 99999999.99
DRAWER 2       999999.99 99999999.99
DRAWER 3       999999.99 99999999.99
EMPLOYEE:    EMPLOYEE 1        #01
TIME 09:03              NO.000000
```

Reports Menu – Sample Reports

Daily Time Keeping

```
DAILY TIME KEEPING REPORT

X1 REPORT                X1 0003  X2 0001

EMP#      SSN NAME                  TIPS
0001 123456789 ANNIE               00.00
     12:00 - 13:00      MANAGER
     13:00 - 14:00      SERVER
 MANAGER        1.00 REG       0.00 OT
 SERVER         1.00 REG       0.00 OT
 TOTAL REG      2.00 HR       14.00 CST
 TOTAL LBR      2.00 HR       14.00 CST
---------------------------------------
MANAGER
 REG                  1.00 HR       8.00 CST
 TOTAL LBR      1.00 HR        8.00 CST

SERVER
 REG                  1.00 HR       6.00 CST
 TOTAL LBR      1.00 HR        6.00 CST
---------------------------------------
TOTAL
 REG                  2.00 HR      14.00 CST
 OT                   0.00 HR       0.00
CST
TOTAL LABOR    2.00 HR       14.00 CST

TOTAL TIPS      0.00
EMPLOYEE:      EMPLOYEE1#01
TIME 09:03                  NO.000000
```

Groups by Employee

```
GROUPS BY EMPLOYEE

X1 REPORT           X1 0003  X2 0001

EMPLOYEE 1
                 COUNT         TOTAL
  GROUP 1    999999.99    99999999.99
  GROUP 2    999999.99    99999999.99
  GROUP 3    999999.99    99999999.99
  GROUP 4    999999.99    99999999.99
  GROUP 5    999999.99    99999999.99
  GROUP 6    999999.99    99999999.99
  GROUP 7    999999.99    99999999.99
  GROUP 8    999999.99    99999999.99

EMPLOYEE:      EMPLOYEE 1        #01
TIME 09:03                  NO.000000
```

Reports Menu – Sample

Shift Report

Complete Financial Reporting is available for each of 4 possible shifts. Shifts can be changed automatically at a set time or manually.

```
SHIFT REPORT

X1 REPORT                                 0003

DESCRIPTOR            COUNT        TOTAL
+PLU TTL                    00.00
000.00
-PLU TTL                         00.00
000.00
ADJUSTED TTL         00.00       000.00
----------------------------------------
NON-TAX                          00.00
000.00
TAX1 SALES           00.00       000.00
TAX2 SALES           00.00       000.00
TAX3 SALES           00.00        00.00
TAX4 SALES           00.00       000.00
TAX5 SALES           00.00       000.00
TAX6 SALES           00.00       000.00

TAX1                             00.00
000.00
TAX2                             00.00
000.00
TAX3                             00.00
000.00
TAX4                             00.00
000.00
TAX5                             00.00
000.00
TAX6                             00.00
000.00

EXEMPT TAX1          00.00       000.00
EXEMPT TAX2          00.00       000.00
EXEMPT TAX3          00.00       000.00
EXEMPT TAX4          00.00       000.00
EXEMPT TAX5          00.00       000.00
EXEMPT TAX6          00.00       000.00
----------------------------------------
ANALYSIS 1 SALES     00.00       000.00
ANALYSIS 2 SALES     00.00       000.00
ANALYSIS 3 SALES     00.00       000.00
----------------------------------------
%1                   00.00       000.00
%2                   00.00       000.00
%3                   00.00       000.00
%4                   00.00       000.00
%5                   00.00       000.00
%6                   00.00       000.00
%7                   00.00       000.00
%8                   00.00       000.00
%9                   00.00       000.00
%10                 00.00       000.00
NET SALES            00.00       000.00
----------------------------------------
CREDIT TAX1          00.00       000.00
CREDIT TAX2          00.00       000.00
CREDIT TAX3          00.00       000.00
CREDIT TAX4          00.00       000.00
CREDIT TAX5          00.00       000.00
CREDIT TAX6          00.00       000.00

MDSE RETURN          00.00       000.00
ERROR CORRECT       00.00       000.00
PREVIOUS VOID        00.00       000.00
TRANS VOID                 00.00
000.00
CANCEL                           00.00
000.00

GROSS SALES          00.00       000.00
----------------------------------------
CASH SALES           00.00       000.00
```

```
R/A 1                        00.00        000.00
R/A 2                        00.00        000.00
R/A 3                        00.00        000.00
R/A 4                        00.00        000.00
R/A 5                        00.00        000.00
P/O 1                        00.00        000.00
P/O 2                        00.00        000.00
P/O 3                        00.00        000.00
P/O 4                        00.00        000.00
P/O 5                        00.00        000.00
AUDACTION                    00.00        000.00
#/NO SALES                   00
000.00
----------------------------------------
CASH-IN-DRAWER               00.00        000.00
CHECK-IN-DRAWER      00.00        000.00

MISC TEND 1                  00.00        000.00
MISC TEND 2                  00.00        000.00
MISC TEND 3                  00.00        000.00
MISC TEND 4                  00.00        000.00
MISC TEND 5                  00.00        000.00

MISC TEND 16                 00.00        000.00

DRAWER TOTAL                 00.00        000.00
----------------------------------------
PROMO                        00          000.00
WASTE                        00          000.00

TRAINING TOTAL               00.00        000.00

PREVIOUS BALANCE             00.00        000.00
TIP 1                        00.00        000.00
TIP 2                        00.00        000.00
TIP 3                        00.00        000.00

GUESTS                       00
----------------------------------------
AVERAGE                      000.00

EMPLOYEE:        EMPLOYEE 1          #01
TIME 09:03                         NO.000000
```

Reports Menu – Sample Reports

Inventory Report

```
INVENTORY REPORT

X1 REPORT                X1 0003  X2 0001
CONSOLIDATED 01-02

INV #002  BURGER
 BEGINING INVENTORY           1000.00
 RECEIPTS                      100.00
 TRANSFER INS                   25.00
 TRANSFER OUTS                  10.00
 RAW WASTE                      -5.00
 THEORETICAL USAGE             110.00
 SHELF COUNT                  1000.00
 ACTUAL USEAGE                 112.00
 ENDING INVENTORY              998.00
 VALUE OF INVENTORY           2245.50
 VARIANCE +/-                   -2.00
 VARIANCE COST                  -4.50

------------------------------------
NET SALE                      1376.15
FOOD COST                      312.00

VALUE OF INVENTORY            2245.50
VARIANCE COST                   -4.50


EMPLOYEE:     DEBI BARTON     #01
TIME 09:03              NO.000000
```

Beginning Inventory
The Beginning Quantity as entered in P-mode (inventory - register begin quantity), for the first report. Additional reports will get the begin quantity from the END value from the last "Z" reset report.

Receipts
The Receipt Quantity as entered in X-mode (inventory - edit inventory item - daily edit/period edit).

Transfer In
The Transfer In Quantity as entered in X-mode (inventory - edit inventory item - daily edit/period edit).

Transfer Out
The Transfer Out Quantity as entered in X-mode (inventory - edit inventory item - daily edit/period edit).

Raw Waste
The Raw Waste Quantity as entered in X-mode (inventory - edit inventory item - daily edit/period edit).

Theoretical Usage
The Theoretical Use Quantity. =[(PROMO+WASTE+SOLD (ITEM/PLU Report)] * [COUNT (RECIPE TABLE)]

Shelf Count
The Shelf is the Actual Inventory Quantity as entered in X-mode (inventory - edit inventory item - daily edit/period edit).

Actual Usage
The Actual Use Quantity. =[(BEGIN)+(RECPT)+(TR/IN)-(TR/OUT)-(RAW WASTE)-(SHELF)]

Ending Inventory
The Ending Quantity. If no actual inventory quantity is entered in X-mode. END=[(BEGIN)+(RECPT)+(TR/IN)-(TR/OUT)-(RAW WASTE)-(T.USE)]. If an actual inventory quantity is entered in X-mode. END=[(BEGIN)+(RECPT)+(TR/IN)-(TR/OUT)-(RAW WASTE)-(A.USE)]

Value Of Inventory
The Value of inventory items on hand. VALUE=[(END)*(COST)]

Variance +/-
The Variance +/-. VR+/- =[(T.USE)-(A.USE)]

Variance Cost
The Variance Cost. V.CST=[(VR+/-)*(COST)]

Food Cost
The Food Cost. FDCST=[(A.USE)*(COST)]

Reports Menu – Sample Reports

PLU Stock

PLUs designated as stock PLUs (see PLU Status
Group Programming) will appear on this report

```
FINANCIAL REPORT

X1 REPORT
0003

DESCRIPTOR                  COUNT
BOTTLE BECKS                 1234


EMPLOYEE:      EMPLOYEE1   #01
TIME 09:0           NO.000000
```

PLU Stock by Group

Further stock reporting formats are available

```
FINANCIAL REPORT

X1 REPORT                   0003

DESCRIPTOR                  COUNT
BOTTLE BECKS                1234
BOTTLE BEERS
TOTAL                       1234

EMPLOYEE:      EMPLOYEE1 #01
TIME 09:03          NO.000000
```

Electronic Journal

This terminal has a very sophisticated analysis on journal reporting. All information can be selected
by individual transaction type to be stored and reported extracted as required i.e. all Cash Transactions, Voids'
etc

Cash Transactions	All Cash sales made during normal operation
Cheque Transactions	All Cheque sales made during normal operation
Misc. Tender Transactions	All Miscellaneous sales made during normal operation
Transactions With %	All Sales containing a discount or premium operation
Recd Acct & Paid Out	All Received on account or Paid out sales
Return Transactions	All Merchandise Return sales transactions
Err Correct & Void	All Transactions containing an error correct or void.
No Sales	All Transactions containing no sale operations.
Cancel Transactions	All Register Mode cancelled transactions
Transactions With Negative	All Transactions with negative product sales.
Reports	All Read & Reset reports which are printed
Program Scans	All Program scans, which are printed.
Check Tracking	All Movement on open checks can be stored
Clerk Interrupt	All Sales where a balance has been stored by a clerk

Reports Menu – Sample Reports

Food Cost

```
FOOD COST REPORT

X1 REPORT
0003

BURGER         PRICE $1.95
PLU# 01234567890123456


 USAGE COUNT              28
 ITEM COST             1.200
 USAGE COST            33.60
 SALES COUNT              28
 NET SALES             54.60
------------------------------
STEAK          PRICE  11.95
PLU#01234567890123456


 USAGE COUNT             105
 ITEM FOOD COST        2.250
 USAGE COST           236.25
 SALES COUNT             105
 NET SALES           1254.75
------------------------------

TOTAL FOOD COST       269.85
TOTAL SALES COUNT        133
NET SALES TOTAL      1309.35

EMPLOYEE:      EMPLOYEE1#01
TIME 09:03        NO.000000
```

Usage Count

(SALES COUNT + PROMO COUNT + WASTE COUNT)

Item Food Cost

COMBINED COST OF ALL INGREDIENTS\RECIPIES ASSOCIATED WITH THE ITEM.

Usage Cost

(USAGE * ITEM FOOD COST)

Sales Count

(SALES COUNT)

Net Sales

(SALES COUNT * PRICE)

Shelf Count

The Shelf is the Actual Inventory Quantity as entered in X-mode (inventory - edit inventory item - daily edit/period edit).

Wiring Diagrams

Common Wiring Diagrams

PC Connection

PC Cable – 8 Core Shielded	
ECR - 9 Pin Male or Female	PC - 9 Pin Female
2	3
3	2
4	6
5	5
6	4
7	8
8	7

PC Cable RJ45 – Cat 5 Shielded	
ECR – RJ45	PC – 9 Pin Female
2	4
3	2
4	3
5	8
6	7
7	5
8	6

PC Modem – 8 Core Shielded	
ECR – RJ45	PC - 9 Pin Female
1	8
2	3
3	2
4	20
5	7
6	6
7	4
8	5

Inter Register Communications (IRC)

IRC Hub for any number of Terminals		
RJ45 – Cat 5 Shielded	RJ45 – Cat 5 Shielded	
1	1	White + Green
2	2	Green
3	3	White + Orange
4	4	Blue
5	5	White + Blue
6	6	Orange
7	7	White + Brown
8	8	Brown

IRC Crossover for 2 Terminals only		
RJ45 – Cat 5 Shielded	RJ45 – Cat 5 Shielded	
1	3	White + Green
2	6	Green
3	1	White + Orange
4	7	Blue
5	8	White + Blue
6	2	Orange
7	4	White + Brown
8	5	Brown

Printer Connection

Printer Cable	
ECR - 9 Pin Male or Female	Printer 25 Pin Male
2	2
3	3
5	7
4	6
6 - Joined	20
8 - Joined	

Printer Cable RJ45 – Cat 5 Shielded	
ECR- RJ45	Printer -25 Pin Male
3	3
4	2
2 - Joined	20
6 - Joined	
8	6
7	7

Service Menu

CAUTION:

Service functions are reserved for system providers who set-up and service your SPS-500 system.

Many Service functions, including memory clearing and memory allocation will cause significant damage or loss to the user if they are performed without first backing up register data.

Service Management

The software update is a simple operation carried out using the S-Mode, Self Test, Application update option, or a full hardware control option as outlined below.

Note :- Once a full service update has been completed it is necessary to memory reset the terminal back to factory defaults.

Software Update Via SD Card.

- Ensure the software is copied to a FAT32 formatted SD card in the **\Update\SPS500** folder

- The SD card is inserted in the front of the printer housing under the till roll cover.

- The Service Menu is accessed by powering **Off/On** the register, whilst pressing **Cash** then pressing the **Top Left, Bottom Left, Top Right, Bottom Right** keys.

- The password **1287 ENTER** is required, to access the main menu.

- The **Update** - The **Copy All – SD** or the **Boot Update-SD** icon is used

- The register will prompt depending on the files copies with either **Copy all from NAND Flash** or **Copy Bootloader** answer yes to begin

PC Update Software and Images

The register by default is given an IP address of 192.168.0.11 for register 1 and .12 for register 2 etc . For the PC to communicate for updates the IP address must also be in the same range

- The register should be connected to the PC via an Ethernet cross over cable, and the PC within **My Network places**, **View Network connections** and right click option of the **Local area connection, properties** should be set as :-

IP Address (I)	192 . 168 . 0 . 2
Subnet Mask (U)	255 . 255 . 255 . 0
Gateway (D)	192 . 168 . 0 . 1

- The Service Menu is accessed by powering **Off/On** the register, whilst pressing **Cash** then pressing the **Top Left, Bottom Left, Top Right, Bottom Right** keys.

- The password **1287 ENTER** is required to access the main menu.

- The **Update** then **COPY ALL** is selected the register is now waiting for the PC.

- The TFTP32.exe program can be loaded and the using the browse icon correct directory containing the files for download selected to start the update.
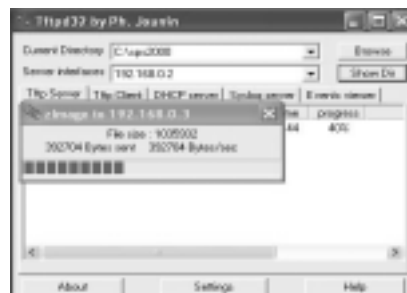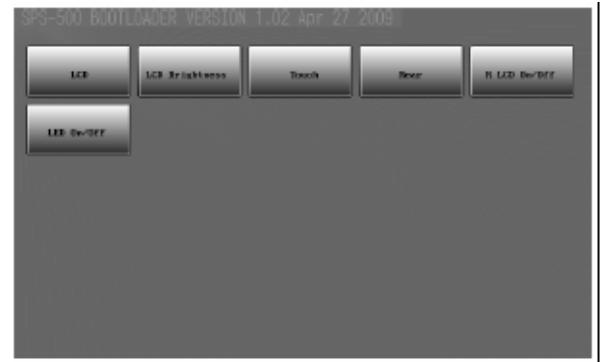
Service Management

The Service Management menu can be used to carry out the following self test.

Self Test

- The Service Menu is accessed by powering **Off/On** the register, whilst pressing **Cash** then pressing the **Top Left, Bottom Left, Top Right, Bottom Right** keys.

- The password **1287 ENTER** is required, to access the main menu.

Display / Touch	This allows the following tests - LCD test - LCD Brightness - Touch test - Rear Display Test - R LCD On / Off - LED On/Off
Etc	This will test the following options - Flash Memory - SD Card - Dallas Key - MSR - Drawer - Printer
RTC	This tests the Real Time Clock
Keyboard	The keyboard, key positions and mode lock can be test using this option.
Printer	The printer option allows the following to be tested and adjusted - Printer - Cutter - Pattern Test - Reset Print Count - Reset Cut Count
SD Card	The SD card slot located under the till roll cover, on the printer housing can be tested using this option.
SRAM	This test will clear all memory
Check Bad	This option allows a Check for SMC Bad data
Age Testing	This checks all hard options

Service Management

The Service Management menu can be used to carry out the following self test.
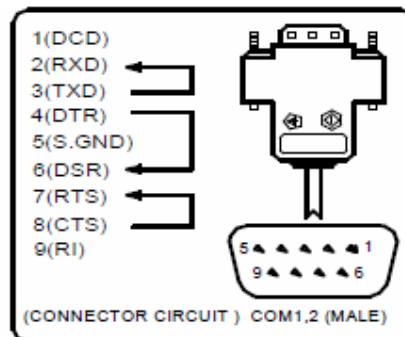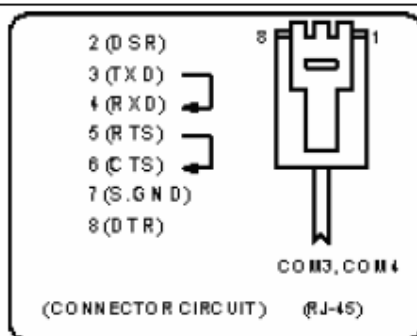
Self Test

Loop back Tests   This tests the RS232 ports, using the following Loop back connectors
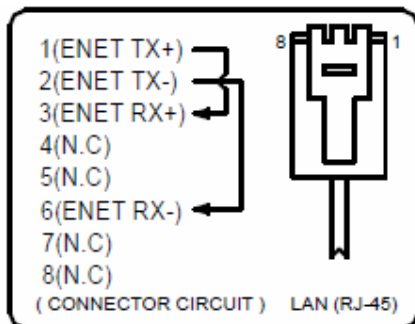
(IRC Test Connector)

(RS-232C Test Connector)

(RS-232C Test Connector)

Service Management

The Service Management menu can be used for the following setup procedures.

Setup

- The Service Menu is accessed by powering **Off/On** the register, whilst pressing **Cash** then pressing the **Top Left, Bottom Left, Top Right, Bottom Right** keys.

- The password **1287 ENTER** is required, to access the main menu.
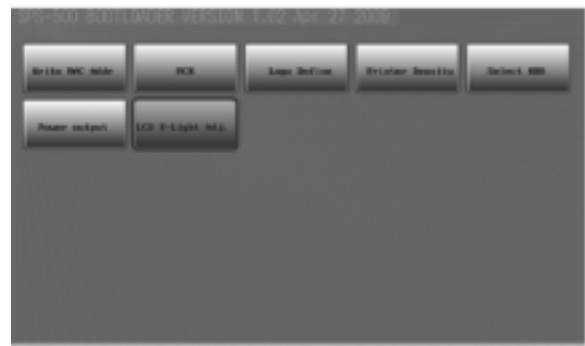
|	
Write Mac Address	This is the fundamental address code, and should not be adjusted without first consulting a technician.
MCR	The register can be fitted with an optional MCR reader for clerk sign on. The cards are normally configured using track 2, as per this option
Logo Define	This allows the Logo images to be loaded into the register as outlined the in System Options – General Print Options section of the manual.
Printer Density	The depth of shading for print outs can be adjusted using this option
Select Keyboard	The stroke and flat keyboard types are interchangeable and the appropriate type can be selected using this option. The terminal will recognise change when memory all cleared alternative use this option to activate a keyboard change.
Power Output	This option allows the power to the serial ports to be adjusted as required.

Service Management

It is possible to install in additional memory into the register, as shown below.
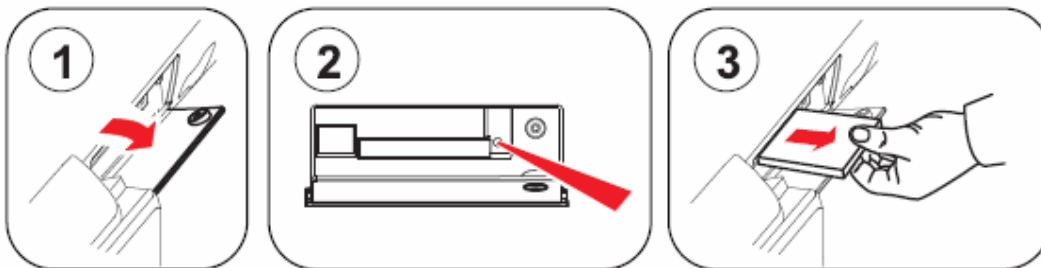
Installation of Memory card

The register **must be powered off** and **disconnected from the mains.** It is advisable to wear protective gloves whilst installing the memory card.

- Open the memory card cover, and insert the memory card in the memory hole, as shown
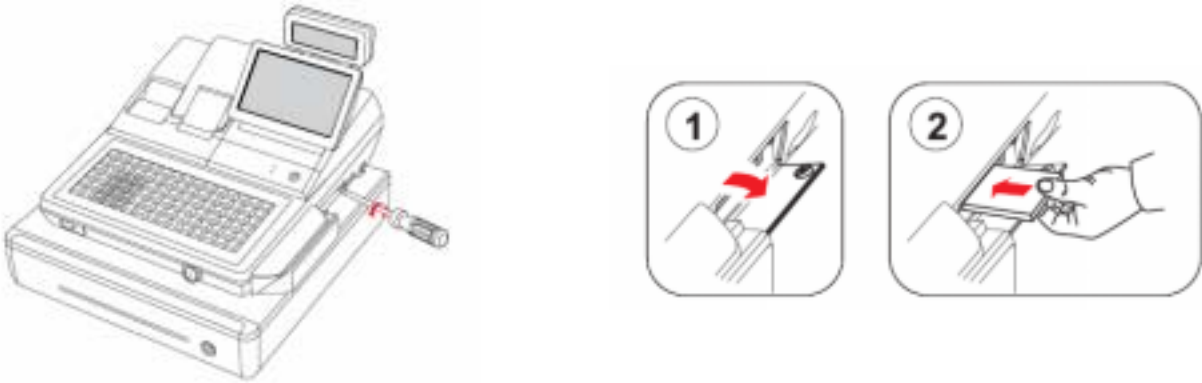
Removing the Memory Card

- Unscrew the Memory card cover using a + shaped screw driver. Then open the memory card cover and push the rounded area using a sharp object i.e. paper clip as shown in fig 2.

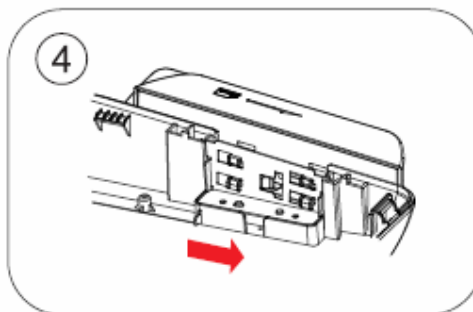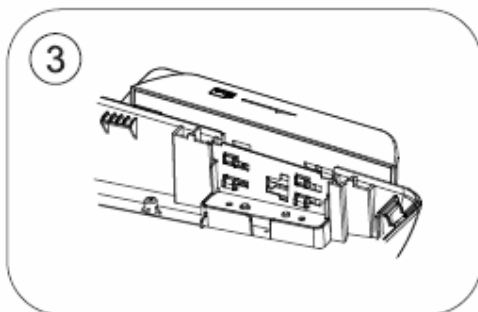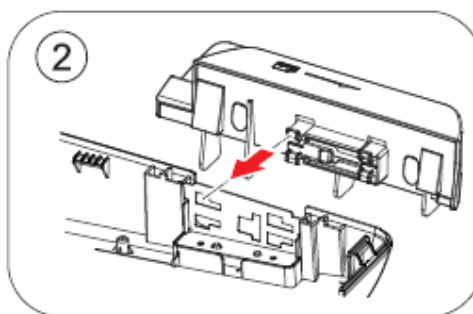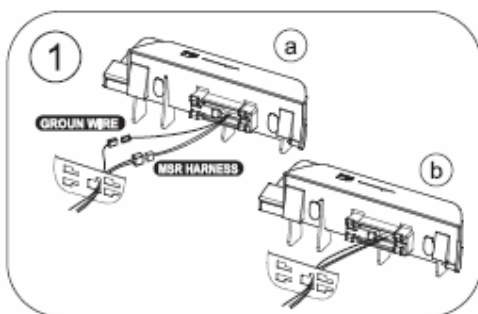- The memory card, will be ejected as per fig 3

Service Management

It is possible to install a magnetic card reader into the register, as shown below.

Installation of MCR

The register **must be powered off** and **disconnected from the mains**, It is advisable to wear protective gloves whilst installing the card reader. When connecting or disconnecting the cables be careful not to stress the cables, also be careful not bind interface cables and AC power cord together

- Connect ground wire & MSR harness of MSR assembly to the main set as shown in Fig 1a
- Tidy up the connectors of ground wire & MSR harness by inserting them into the MSR assembly (connectors should be hidden inside the MSR assembly as in Fig 1b)
- Insert the MSR assembly into the main set bracket holes as shown in Fig 2 and Fig 3
- Tighten MSR assembly by moving it to the direction as shown in Fig 4

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